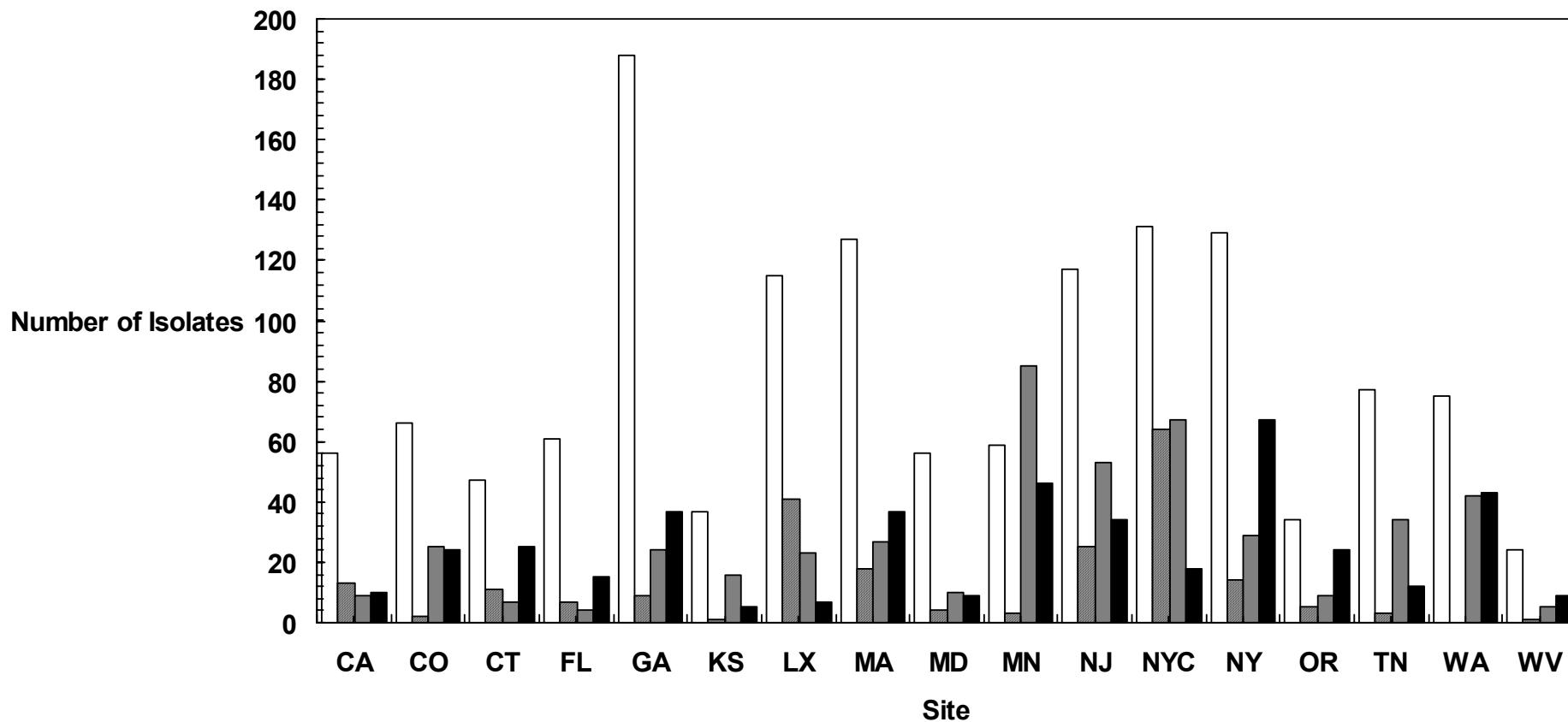


# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 1. Number of isolates submitted, by site, 2000**



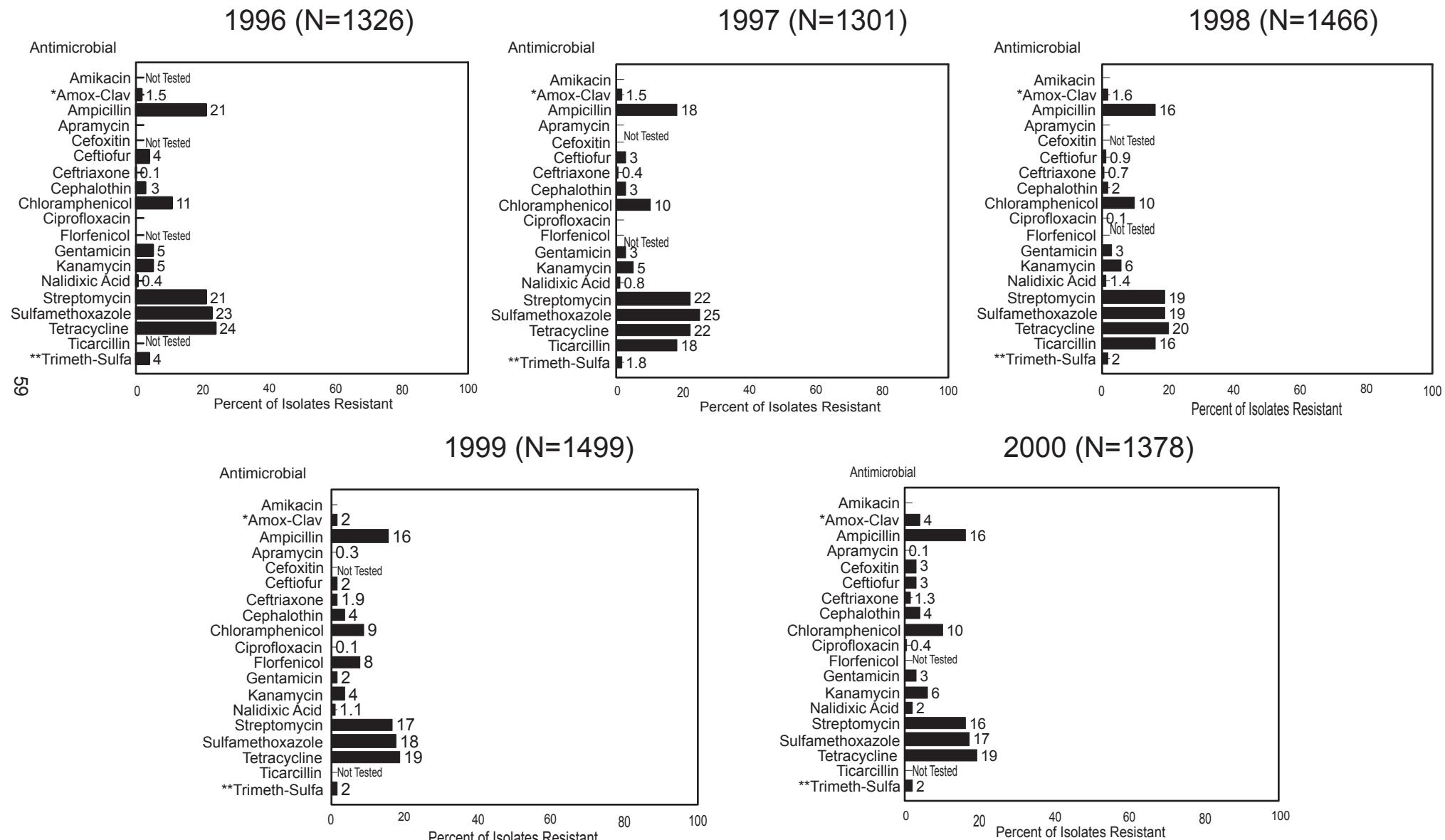
□ Non-Typhi *Salmonella* (N=1399)    □/□ *Salmonella* Typhi (N=223)    ■ *Shigella* (N=469)    ■ *E. coli* O157 (N=422)

CA=Alameda, Contra Costa, and San Francisco counties  
NX=excluding New York City

LX=Los Angeles County  
NYC=New York City

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 2. Resistance among non-Typhi *Salmonella* isolates, 1996-2000**



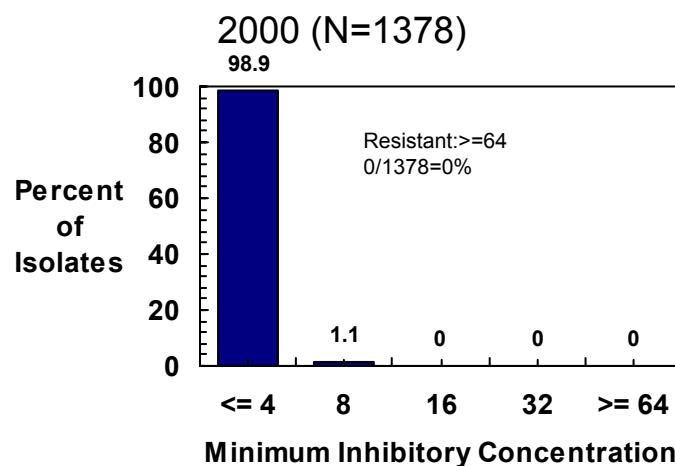
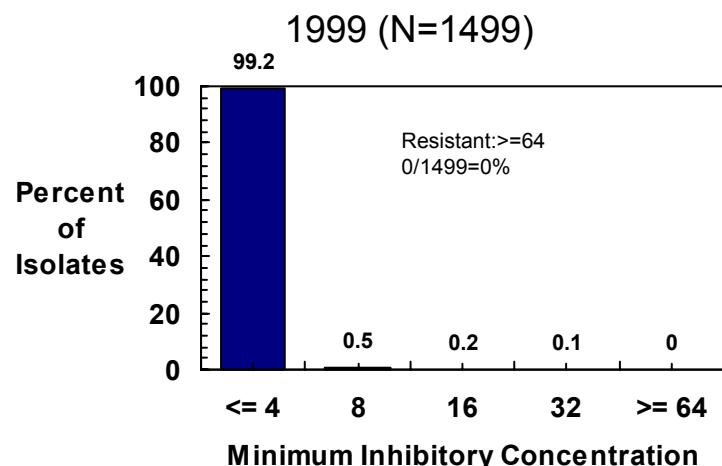
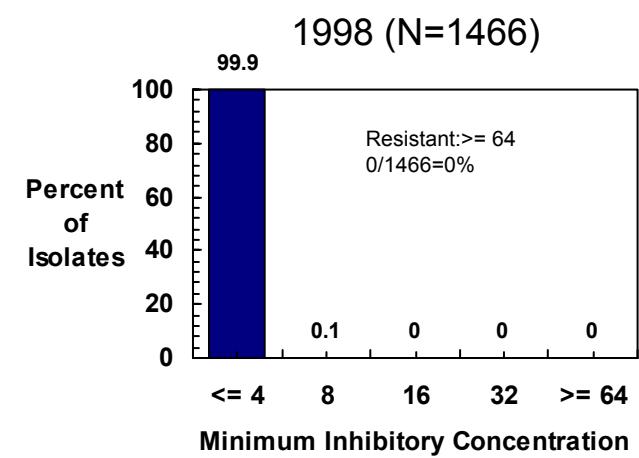
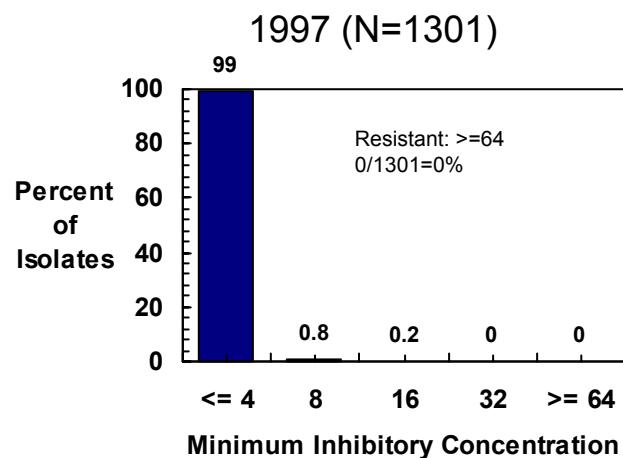
\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

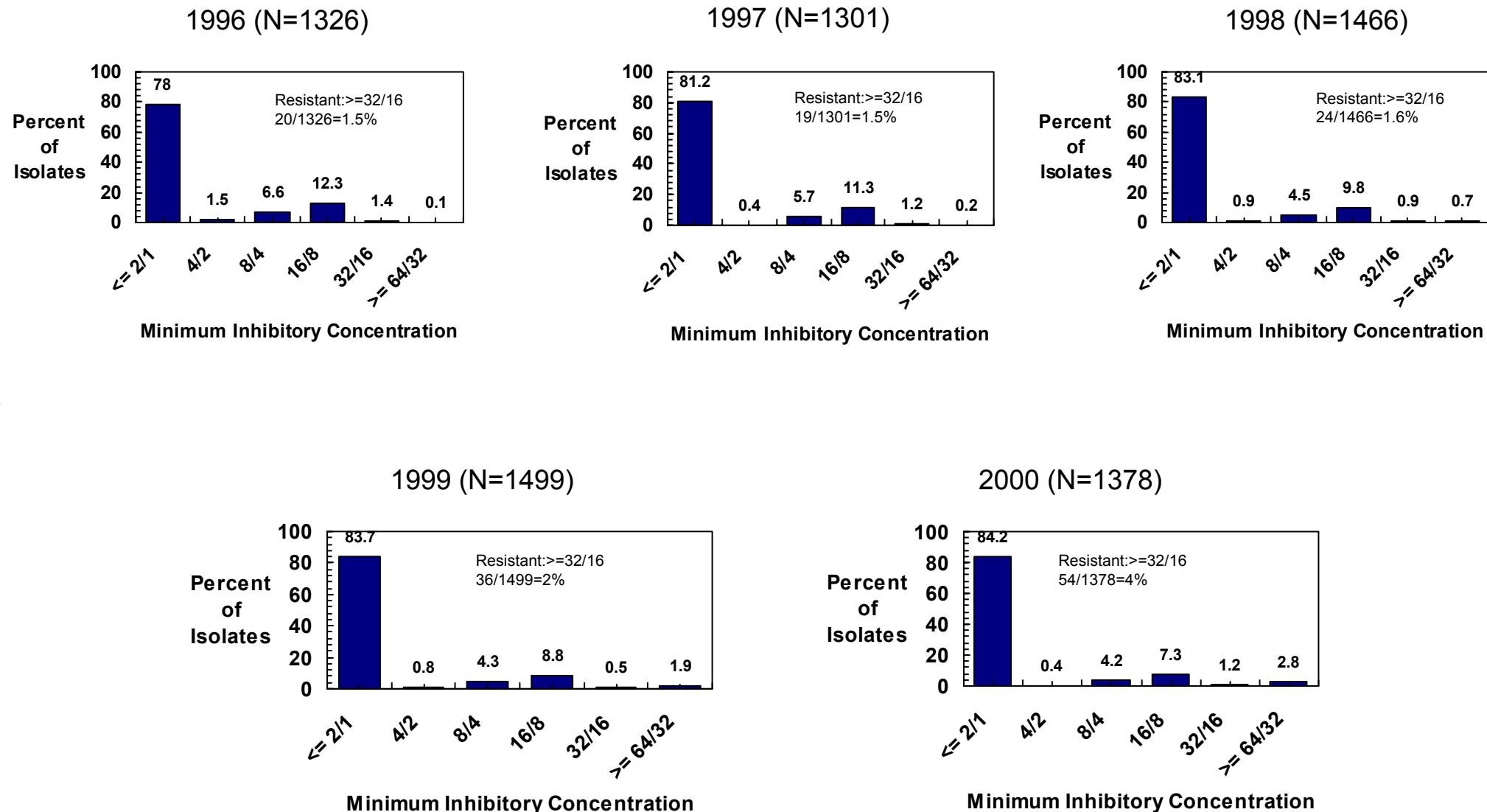
Figure 3a. MICs for amikacin among non-Typhi *Salmonella* isolates, 1996 - 2000

Not tested in 1996



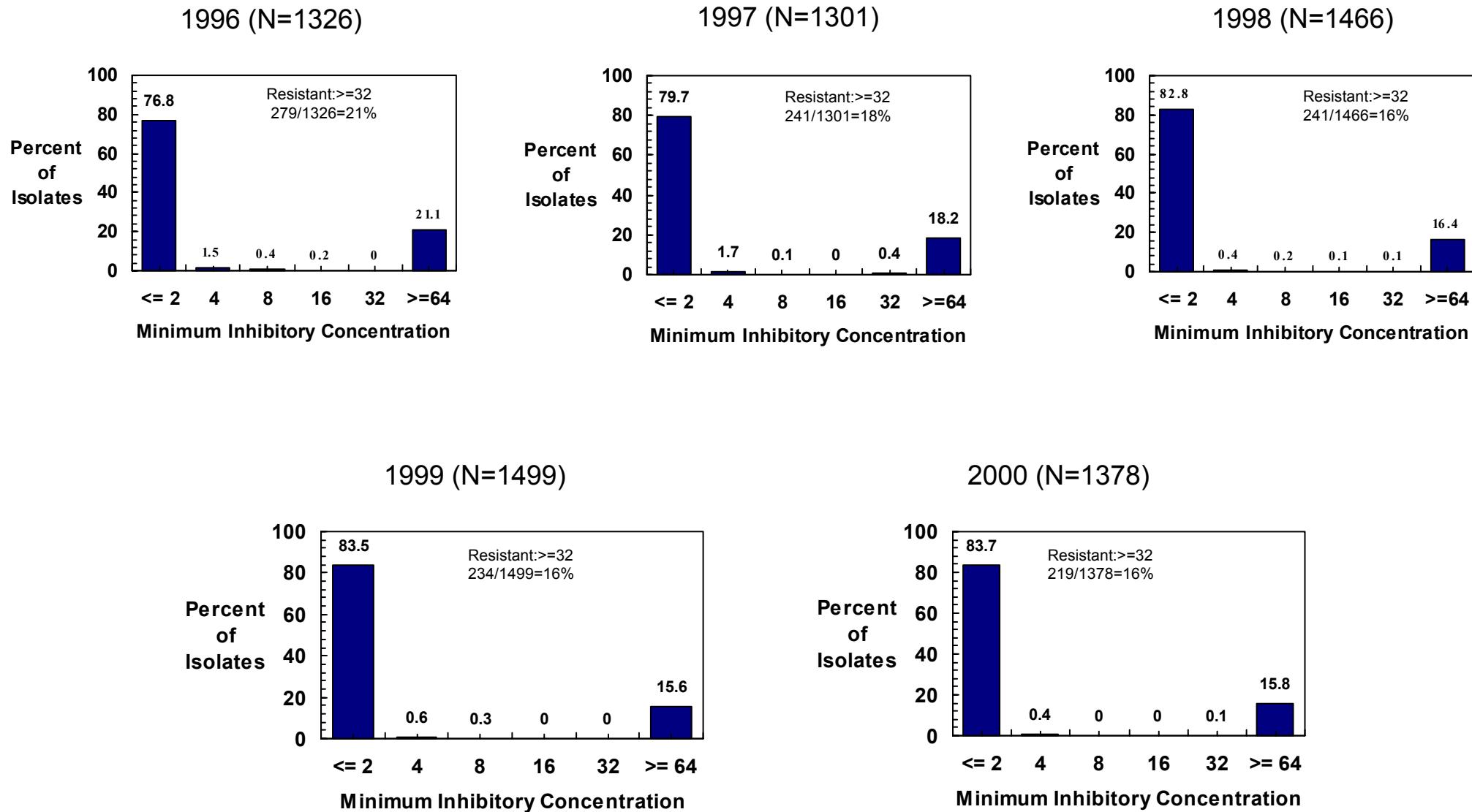
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3b. MICs for amoxicillin-clavulanic acid among non-Typhi *Salmonella* isolates, 1996 - 2000**



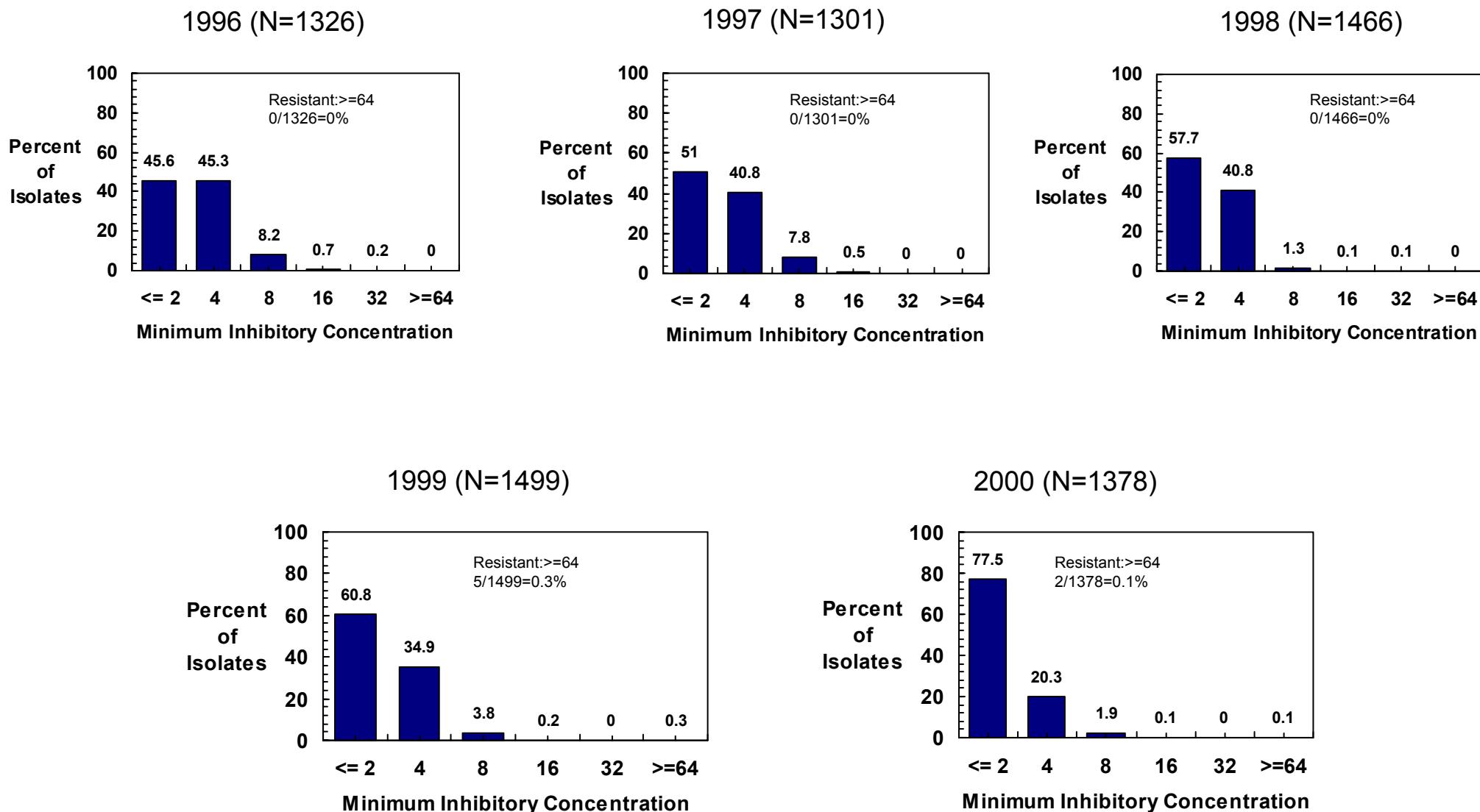
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3c. MICs for ampicillin among non-Typhi *Salmonella* isolates, 1996 - 2000**



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

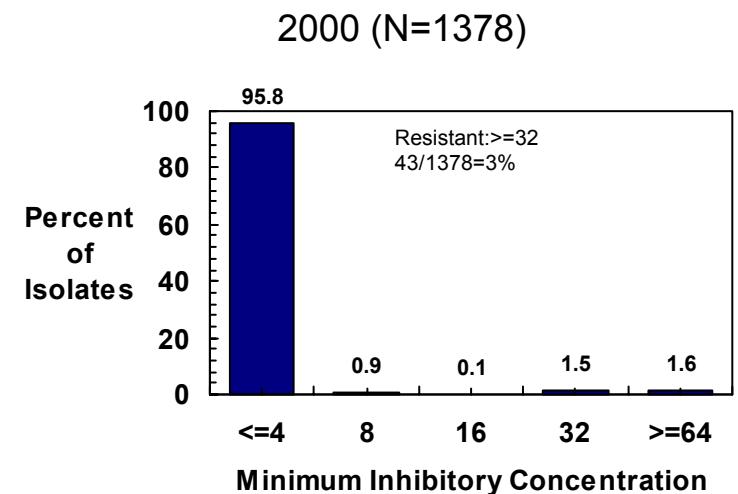
Figure 3d. MICs for apramycin among non-Typhi *Salmonella* isolates, 1996 - 2000



## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

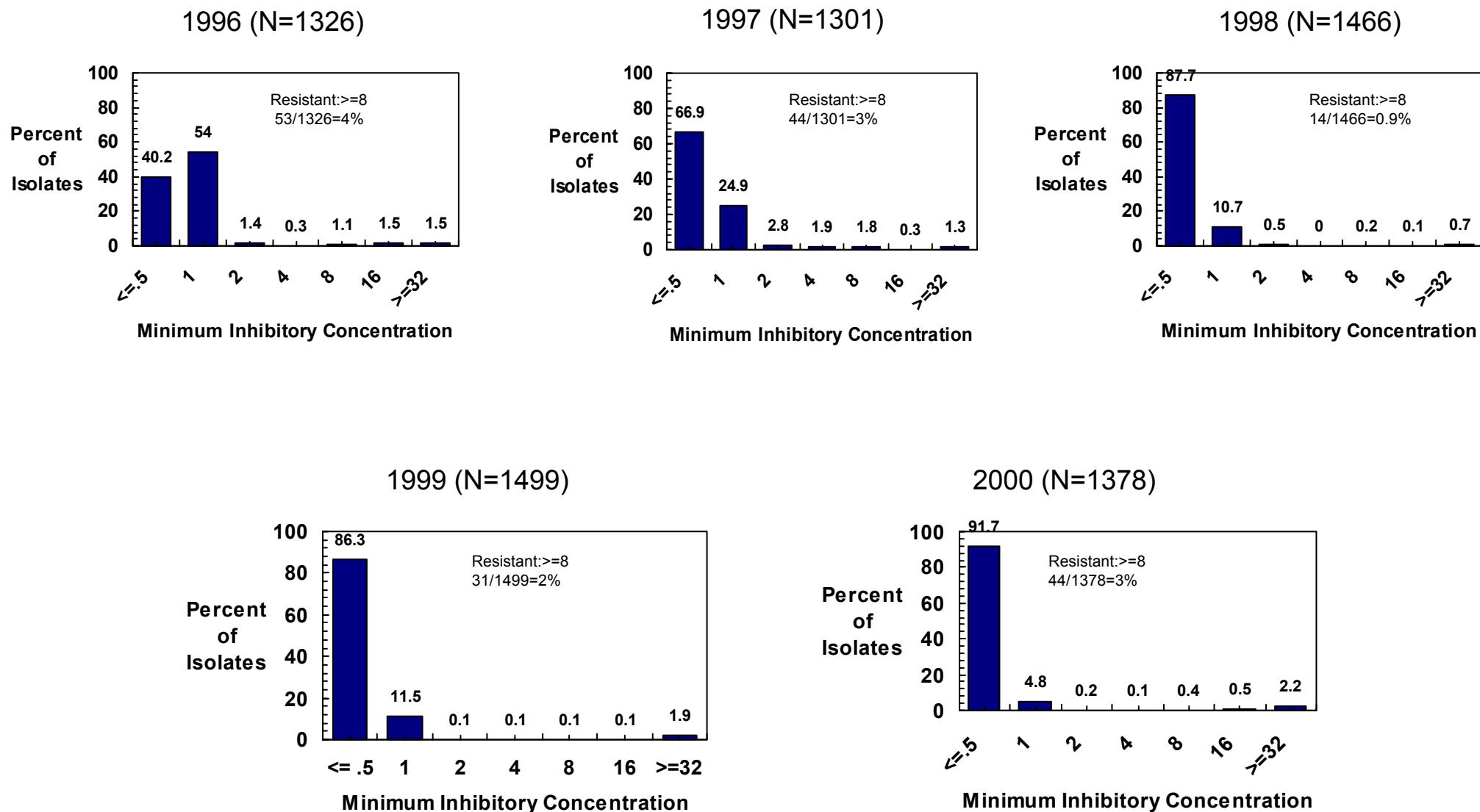
**Figure 3e. MICs for cefoxitin among non-Typhi *Salmonella* isolates, 1996 - 2000**

Not tested in 1996 - 1999



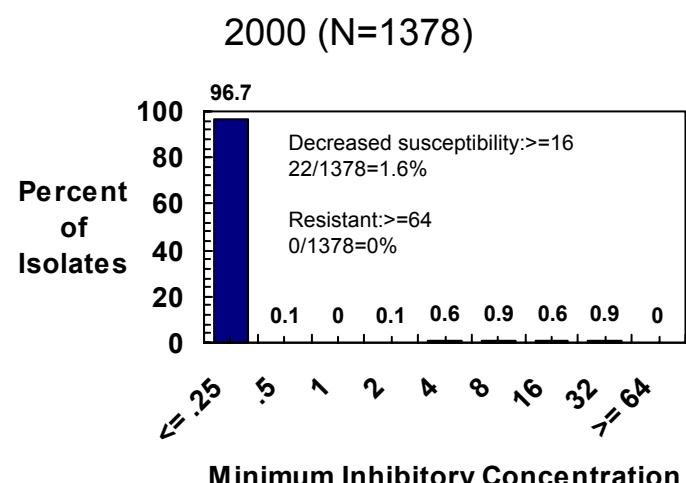
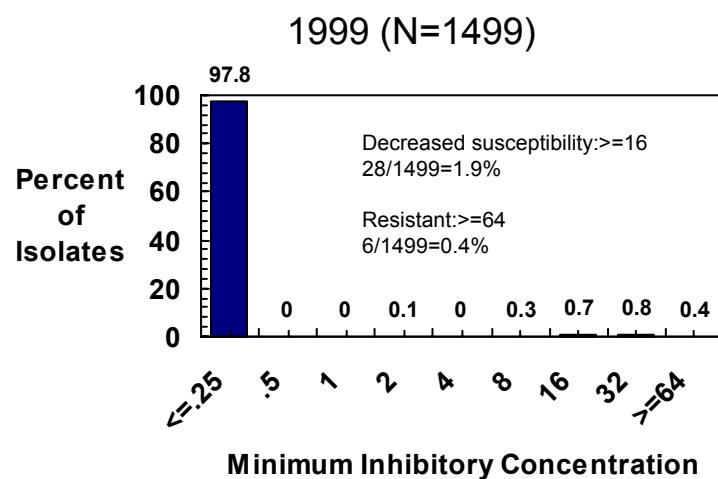
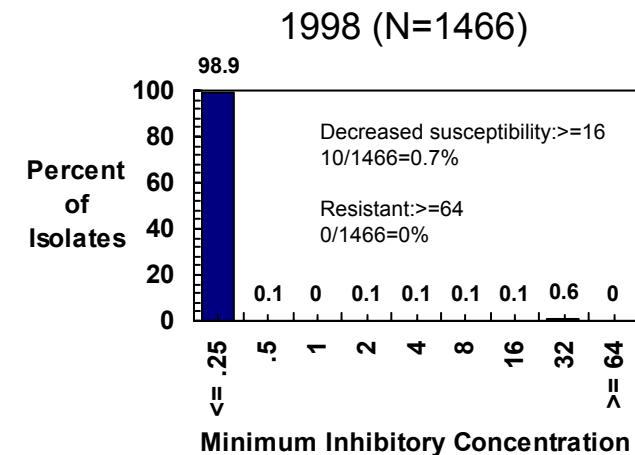
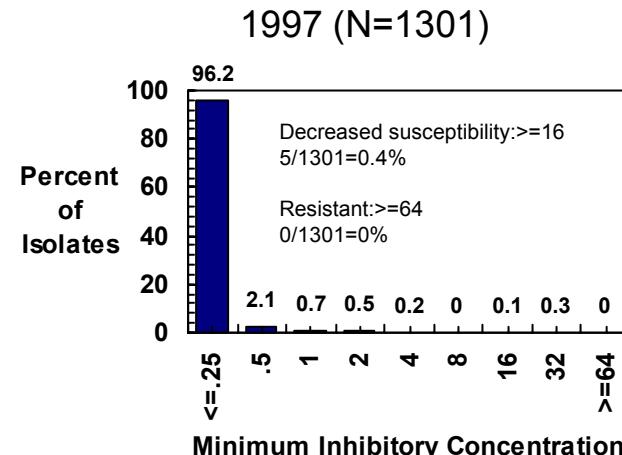
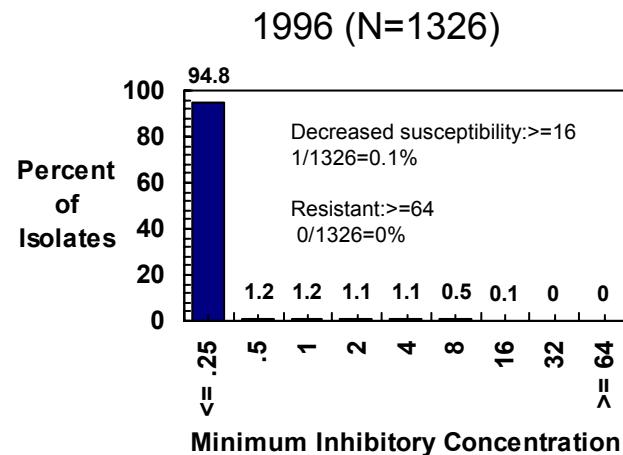
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3f. MICs for ceftiofur among non-Typhi *Salmonella* isolates, 1996 - 2000**



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

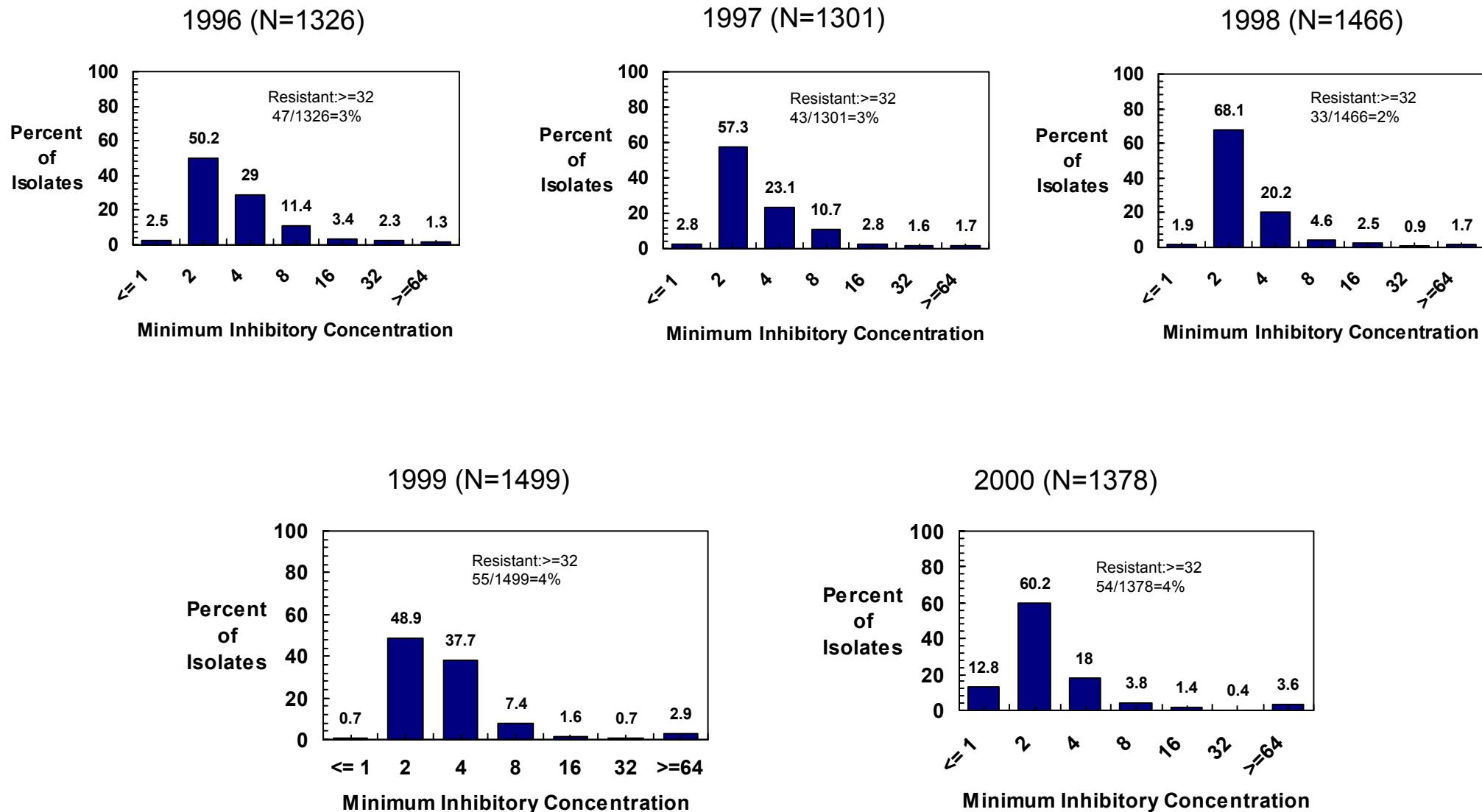
**Figure 3g. MICs for ceftriaxone\* among non-Typhi *Salmonella* isolates, 1996 - 2000**



\* Sensititre results only. isolates with decreased susceptibility are also tested by E-test

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

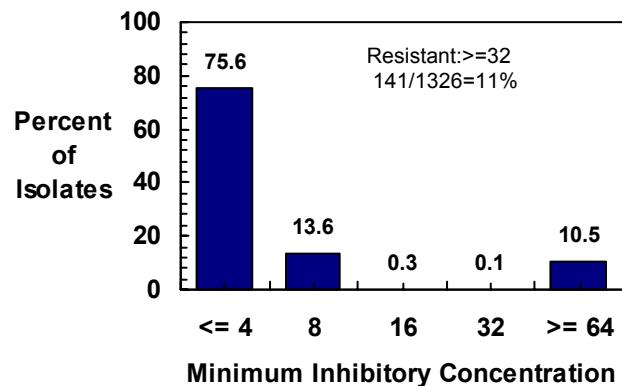
Figure 3h. MICs for cephalothin among non-Typhi *Salmonella* isolates, 1996 - 2000



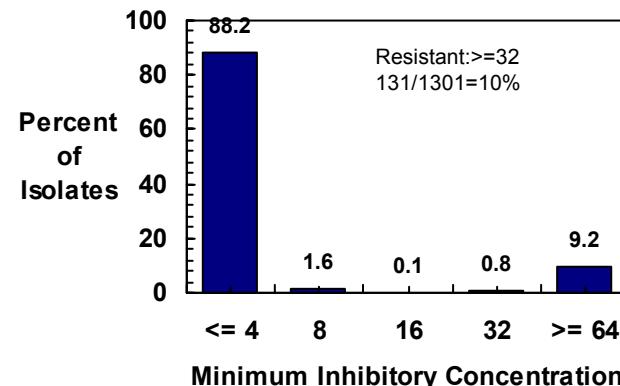
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3i. MICs for chloramphenicol among non-Typhi *Salmonella* isolates, 1996 - 2000**

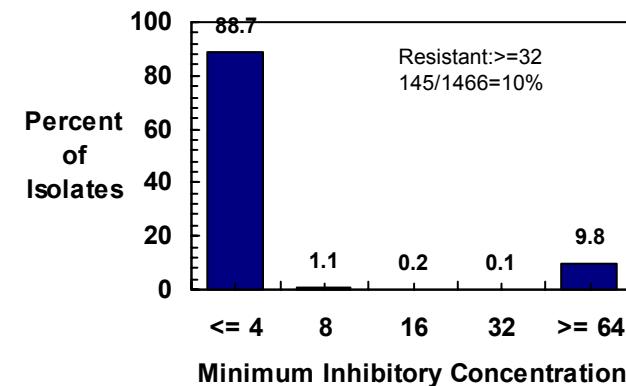
1996 (N=1326)



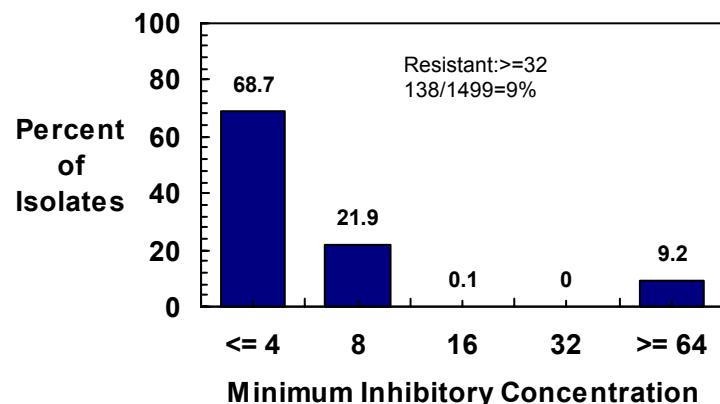
1997 (N=1301)



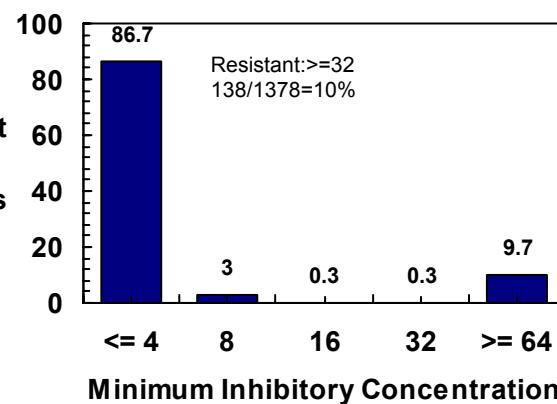
1998 (N=1466)



1999 (N=1499)

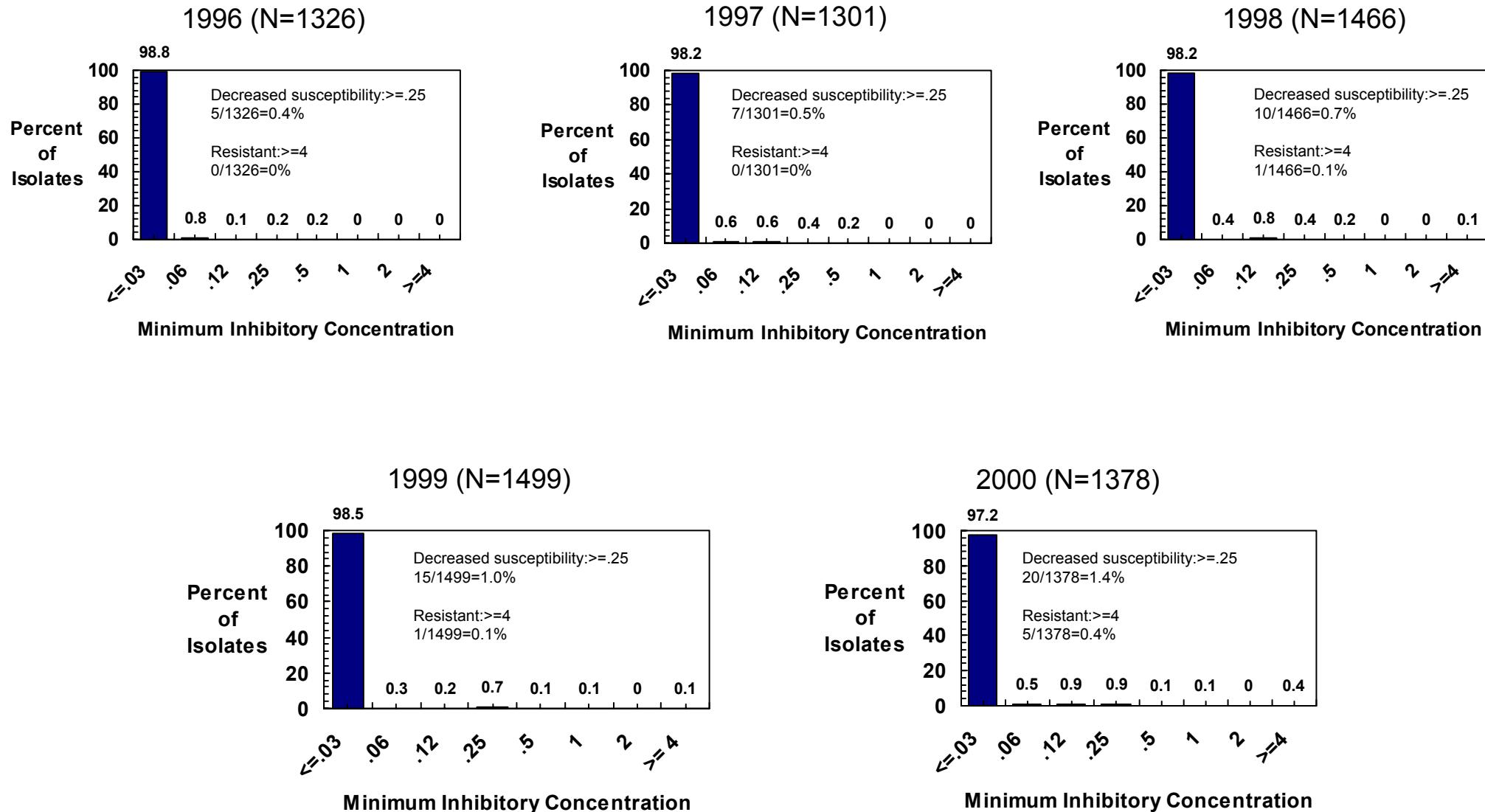


2000 (N=1378)



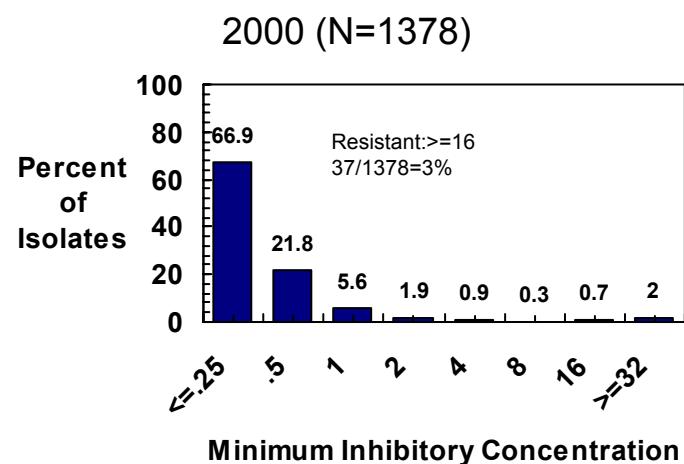
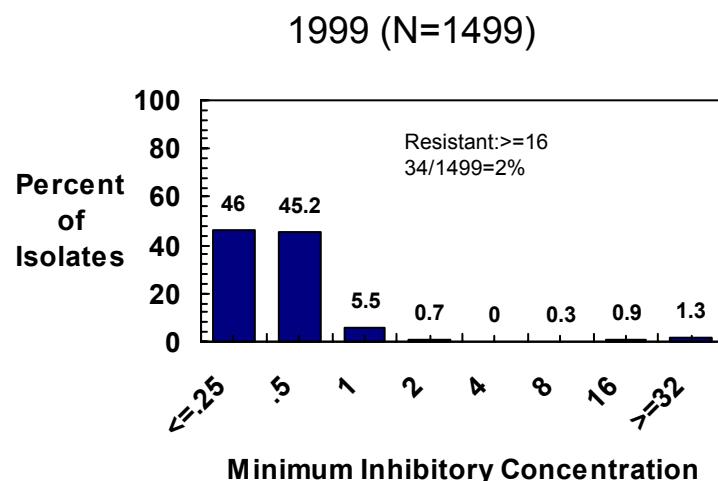
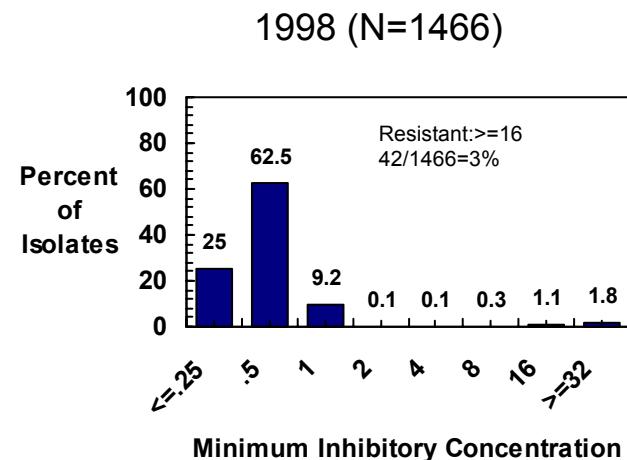
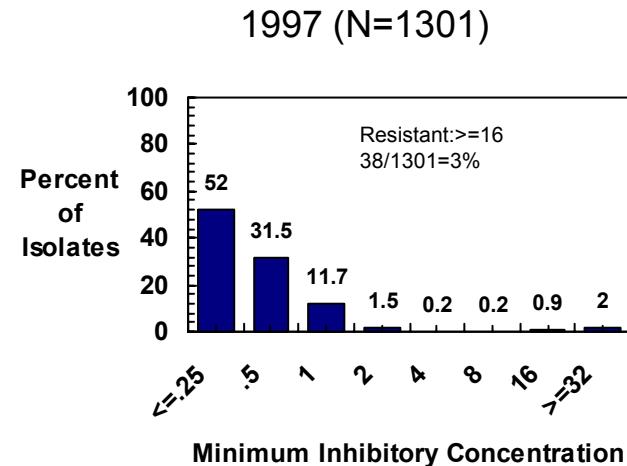
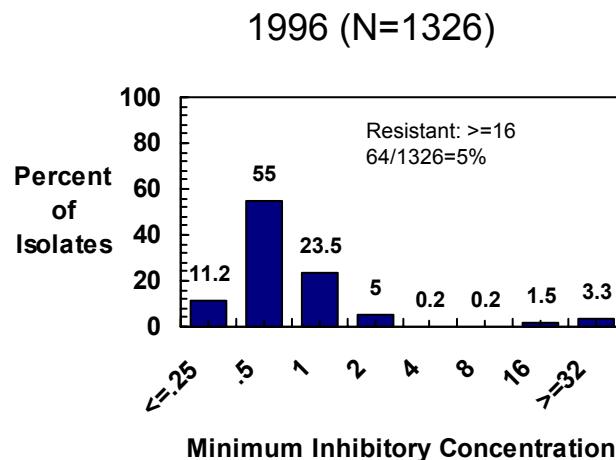
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3j. MICs for ciprofloxacin among non-Typhi *Salmonella* isolates, 1996 - 2000**



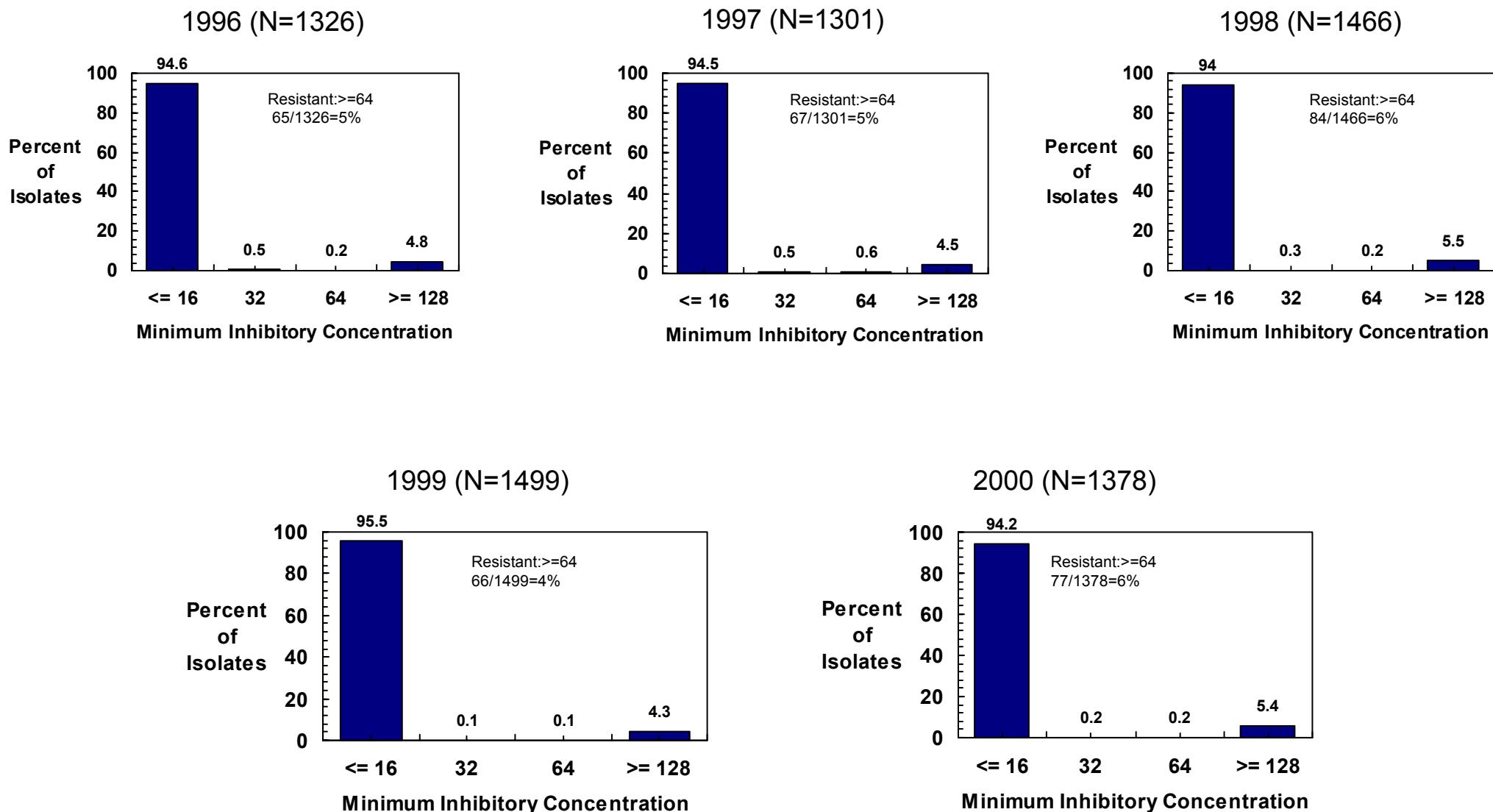
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3k. MICs for gentamicin among non-Typhi *Salmonella* isolates, 1996 - 2000**



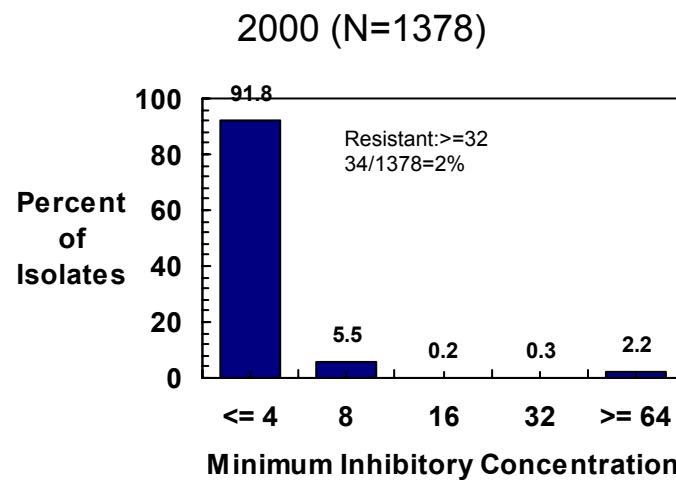
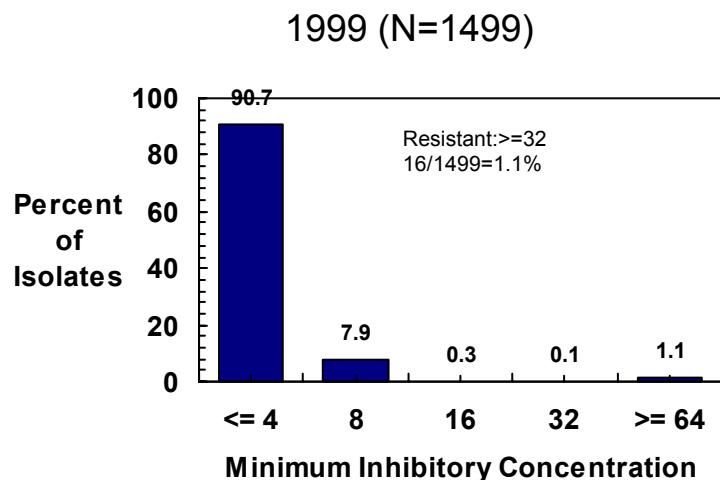
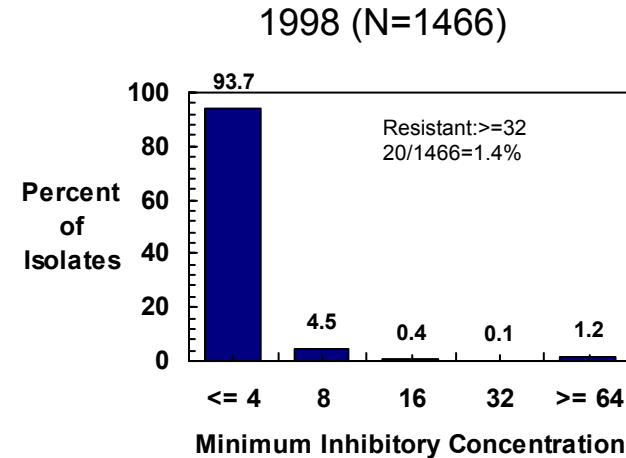
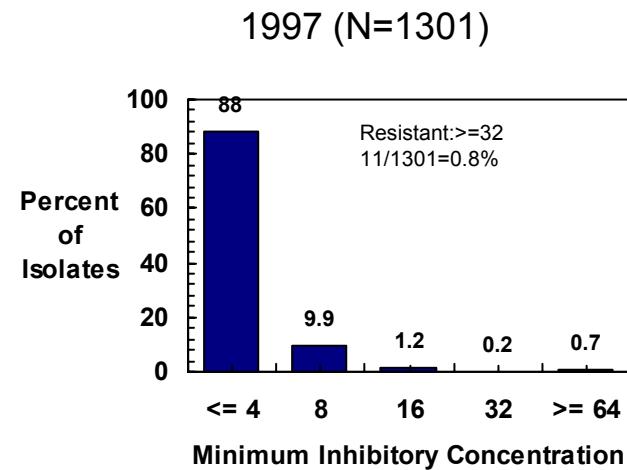
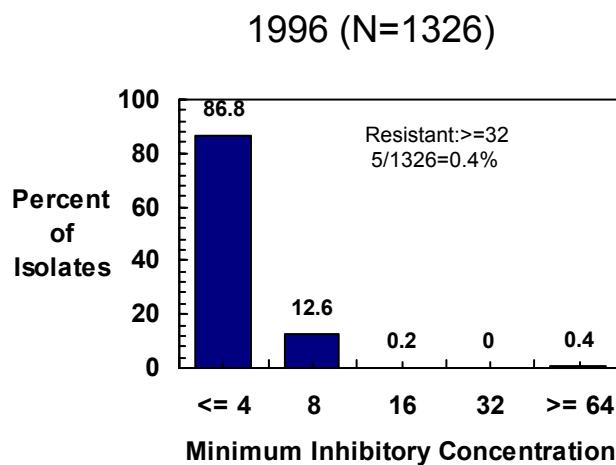
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3I. MICs for kanamycin among non-Typhi *Salmonella* isolates, 1996 - 2000**



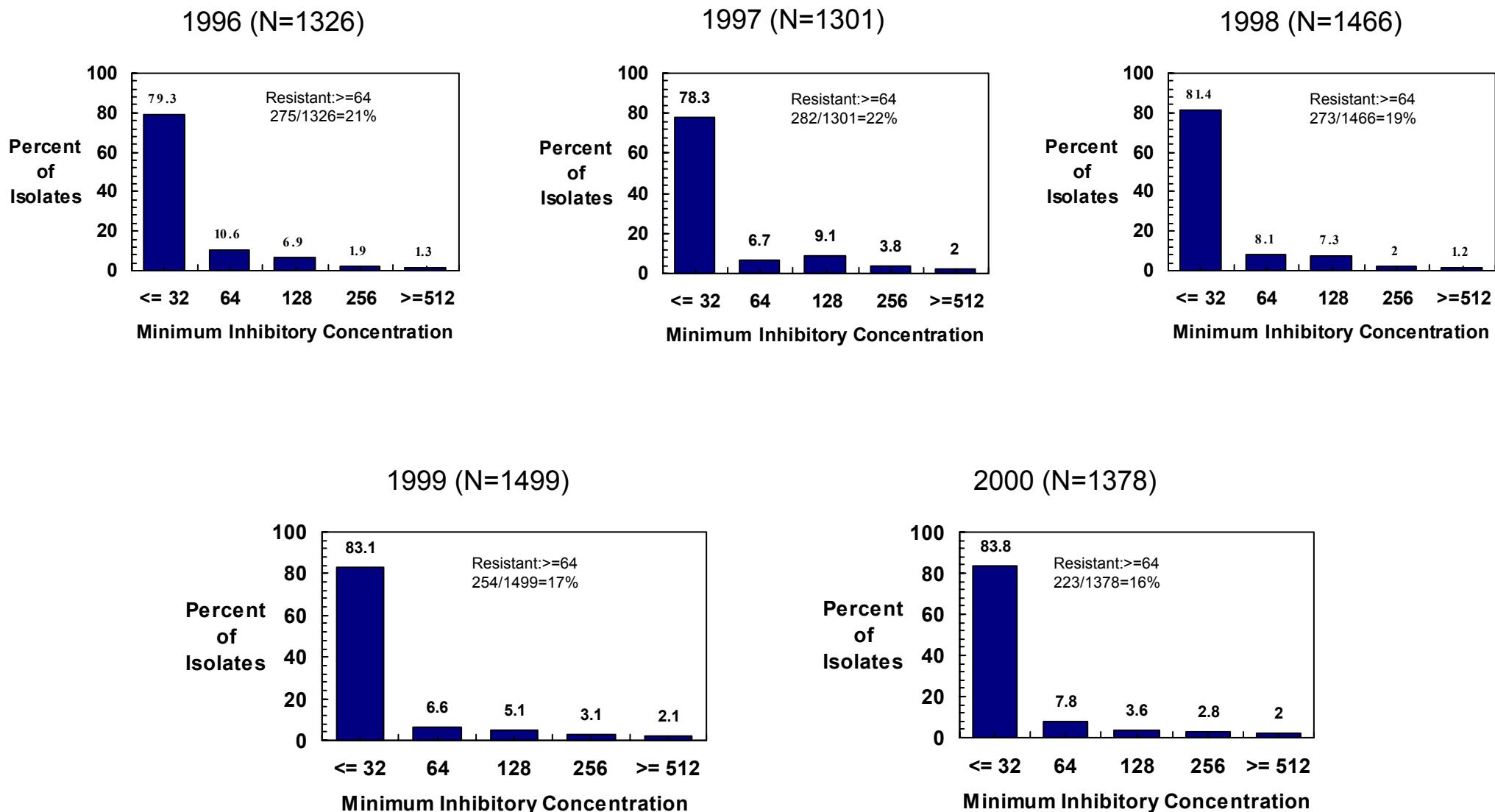
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 3m. MICs for nalidixic acid among non-Typhi *Salmonella* isolates, 1996 - 2000



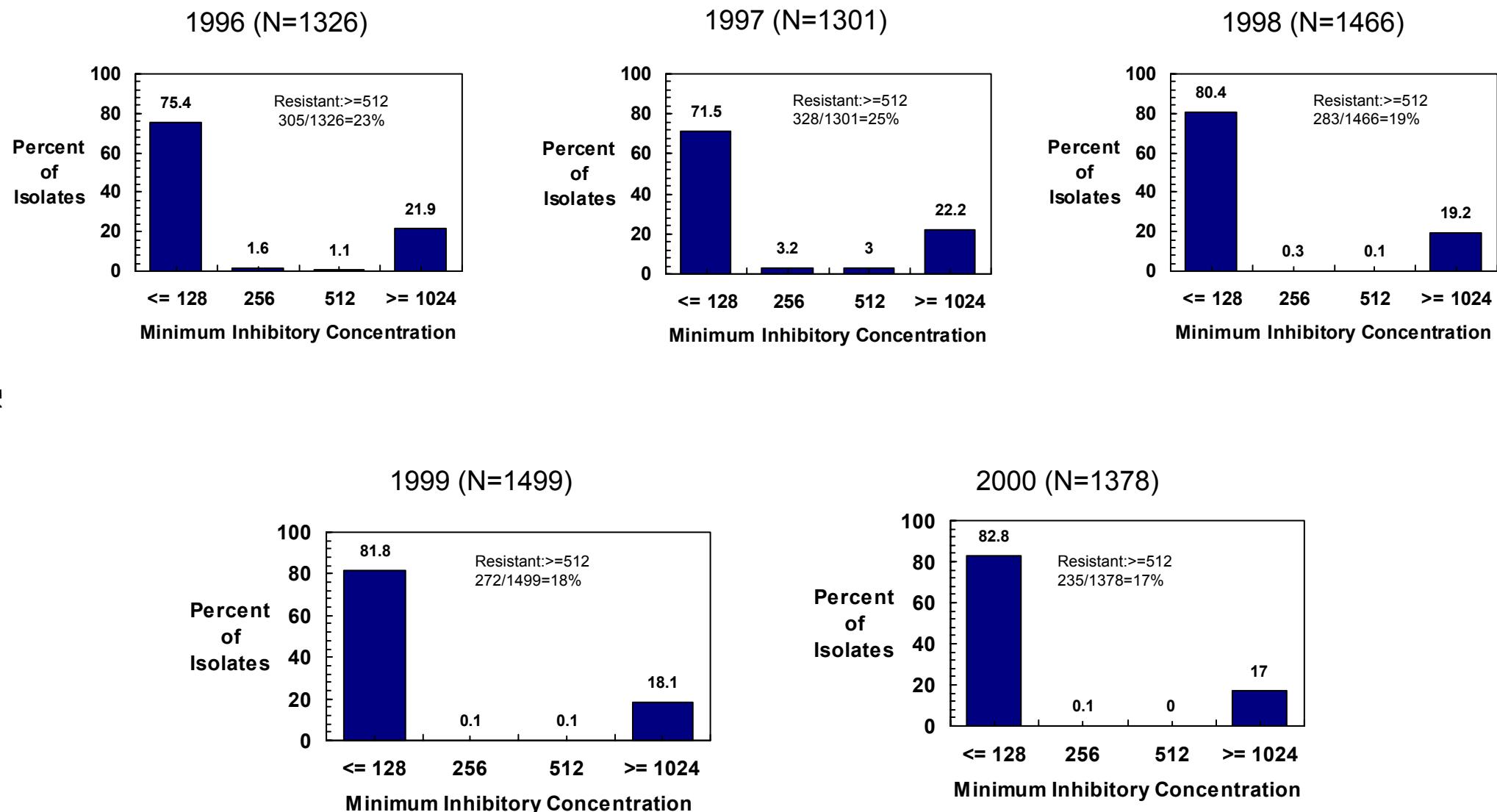
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3n. MICs for streptomycin among non-Typhi *Salmonella* isolates, 1996 - 2000**



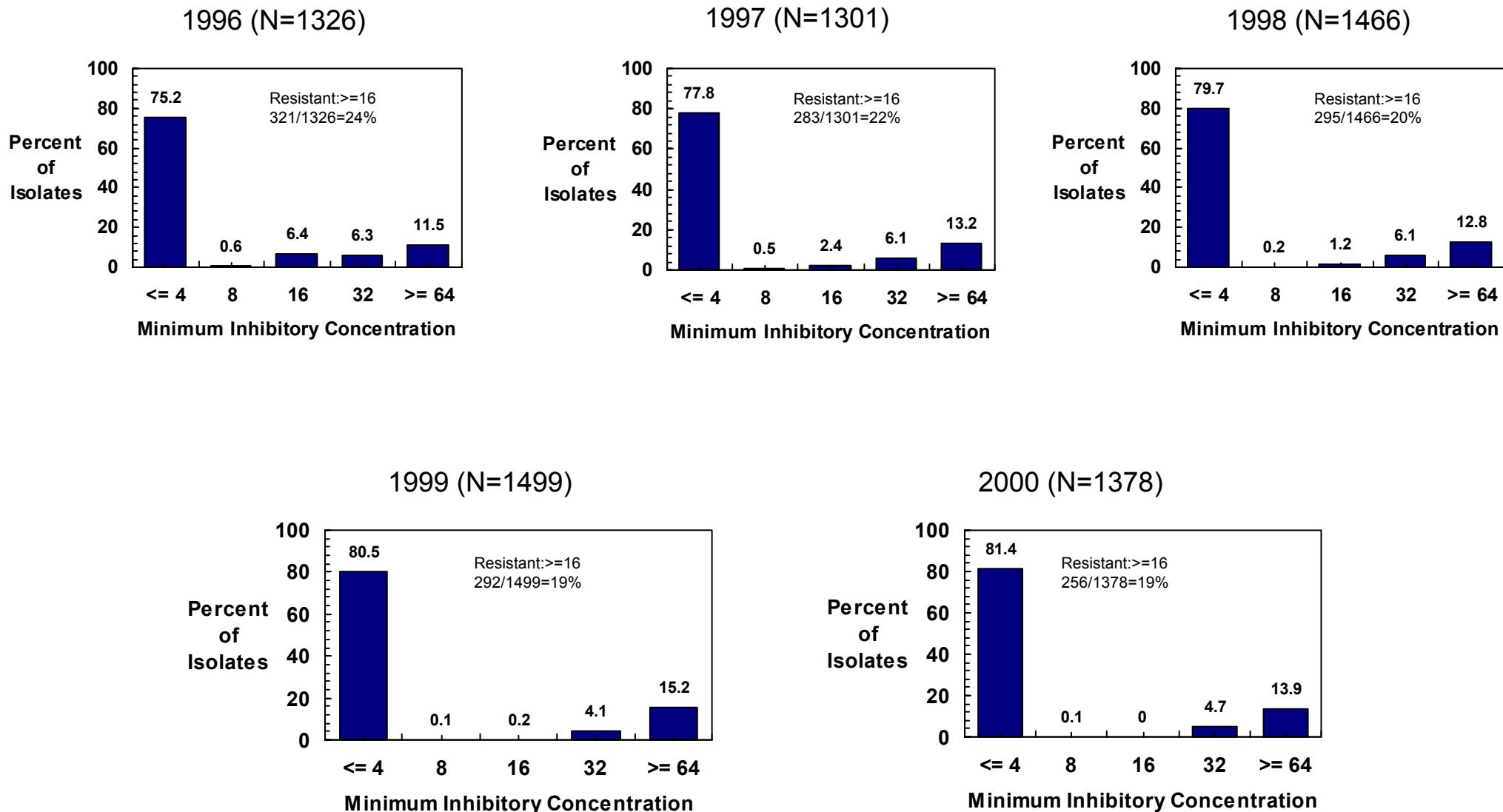
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3o. MICs for sulfamethoxazole among non-Typhi *Salmonella* isolates, 1996 - 2000**



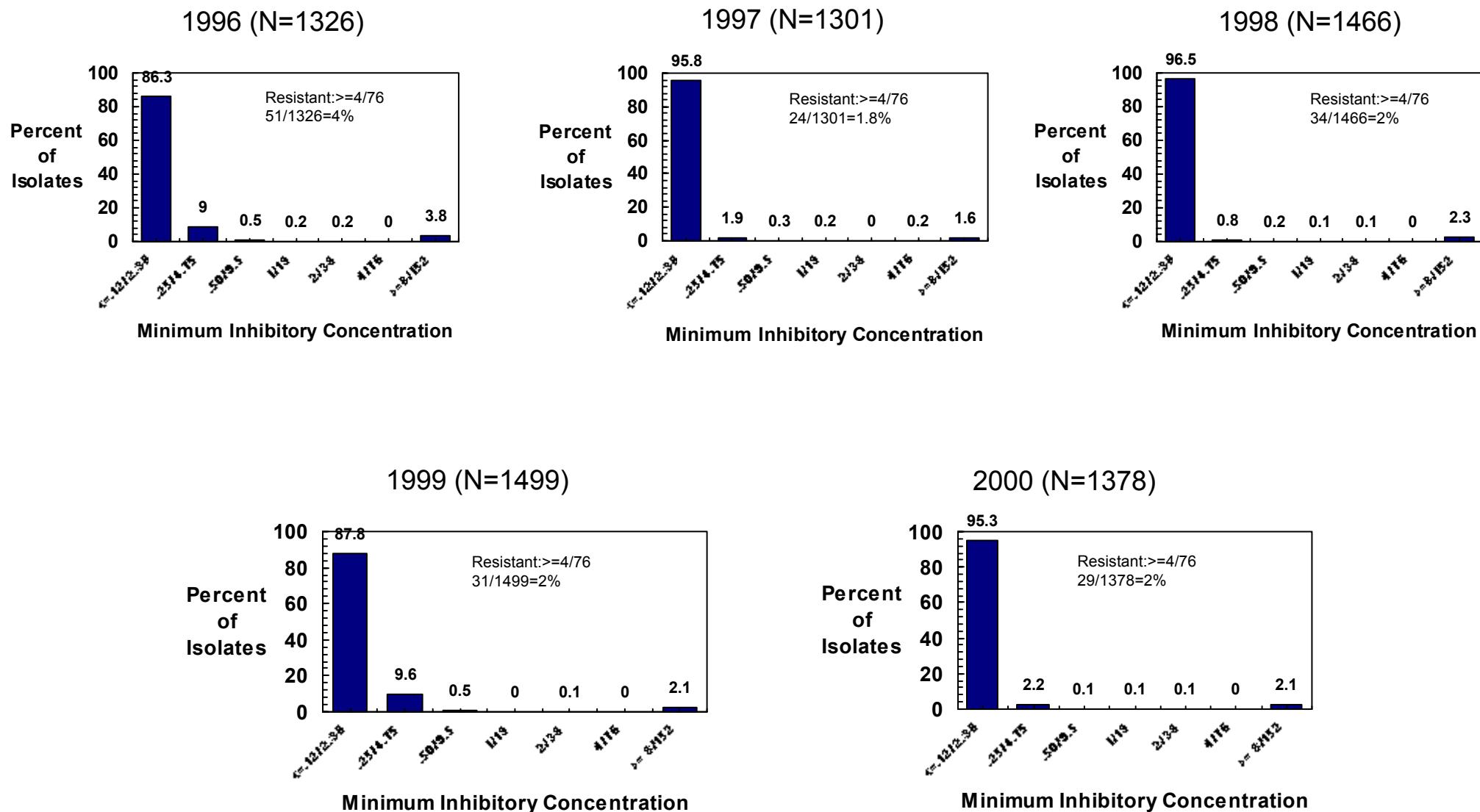
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 3p. MICs for tetracycline among non-Typhi *Salmonella* isolates, 1996 - 2000**



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

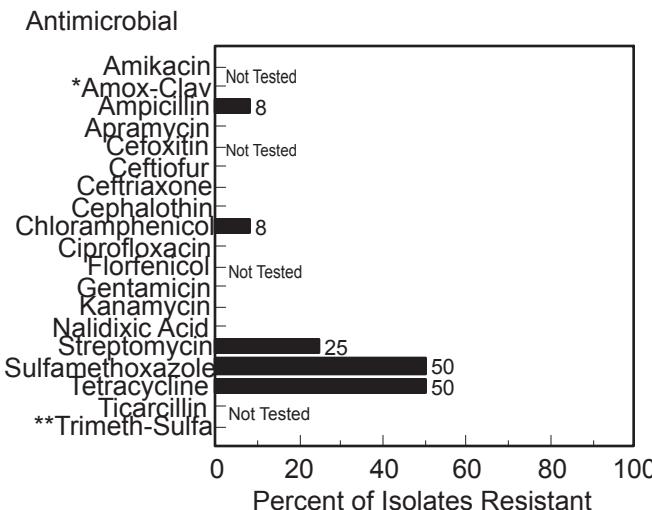
**Figure 3q. MICs for trimethoprim-sulfamethoxazole among non-Typhi *Salmonella* isolates, 1996 - 2000**



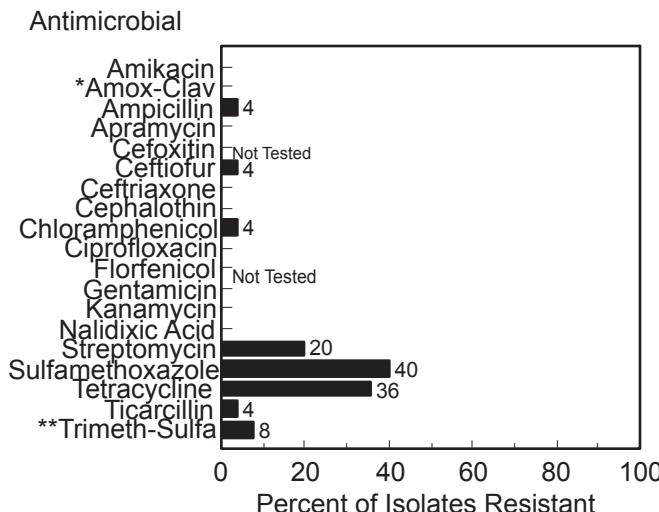
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4a. Resistance among *Salmonella* serotype Agona isolates, 1996 - 2000**

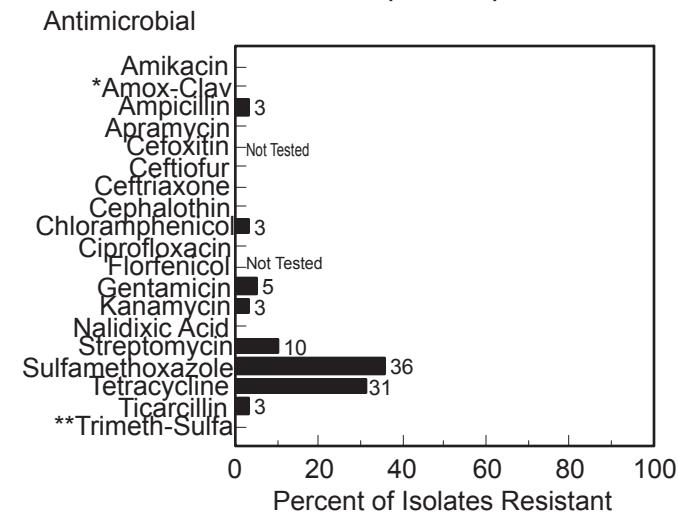
1996 (N=12)



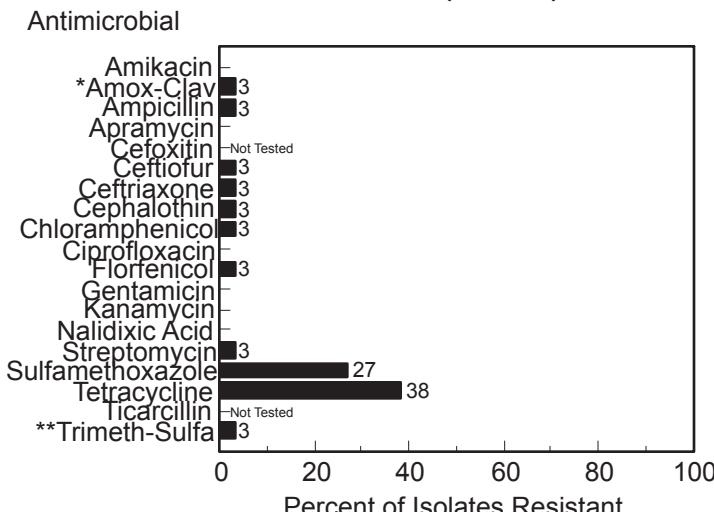
1997 (N=25)



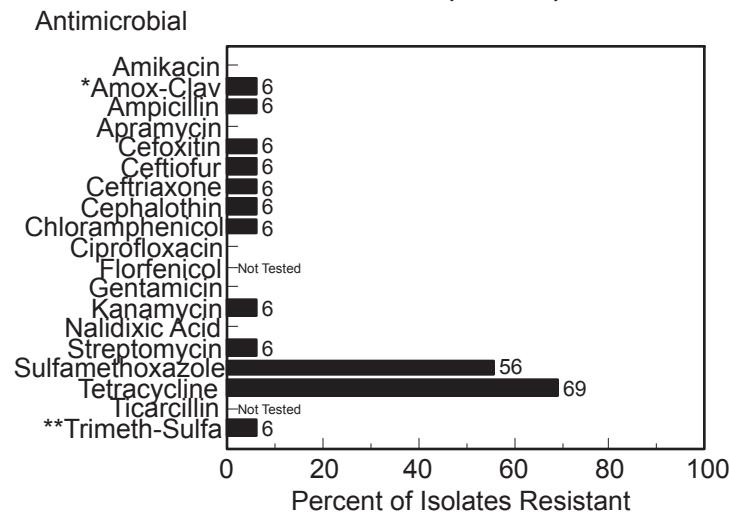
1998 (N=39)



1999 (N=34)



2000 (N=16)



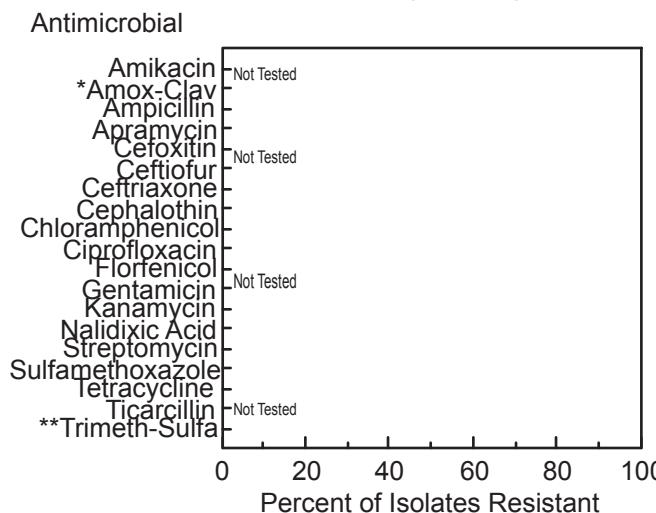
\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

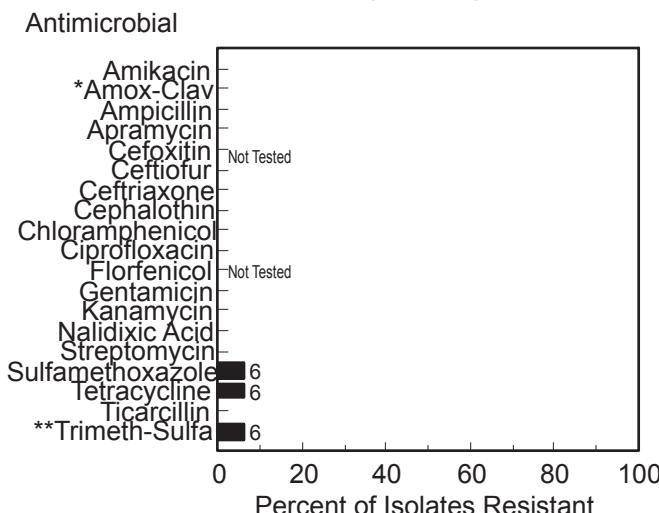
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4b. Resistance among *Salmonella* serotype Braenderup isolates, 1996 - 2000**

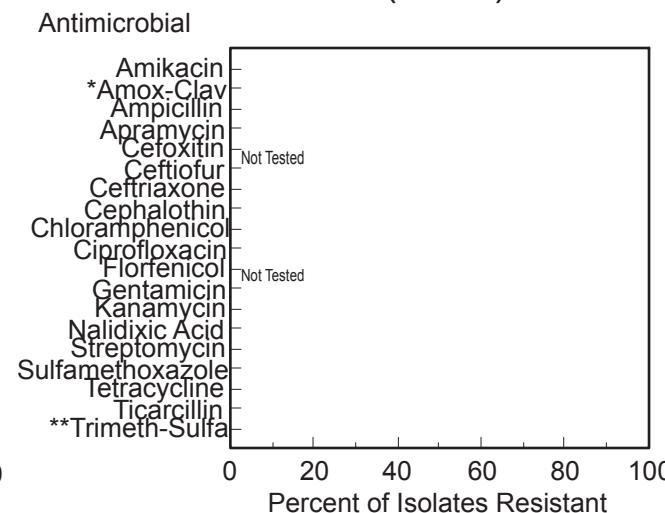
1996 (N=22)



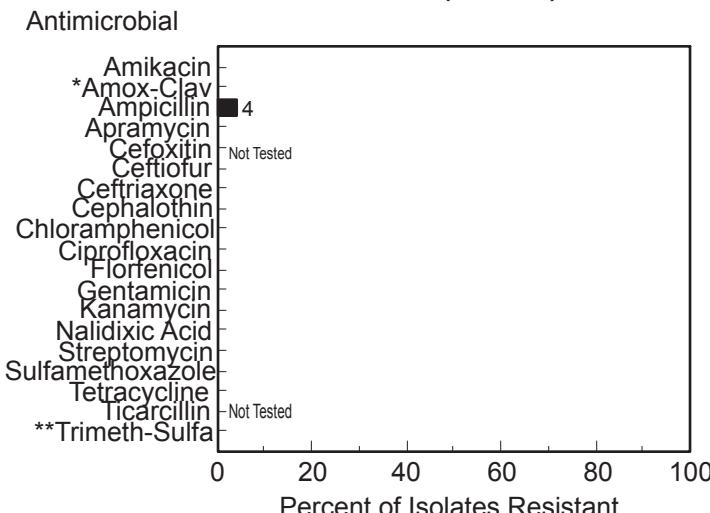
1997 (N=17)



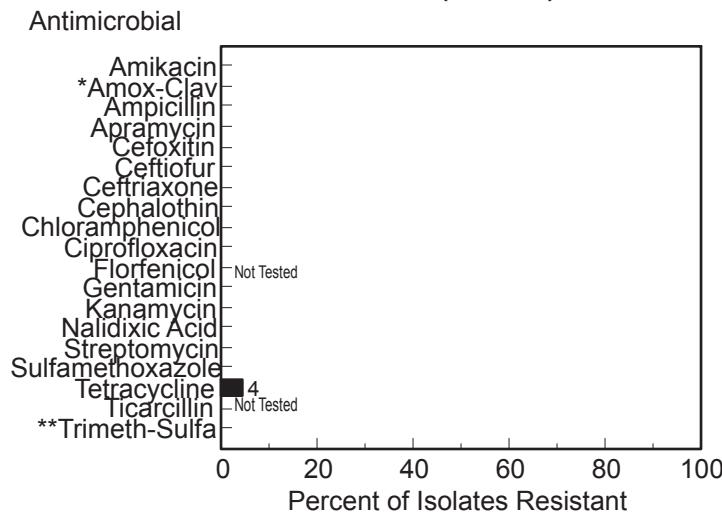
1998 (N=23)



1999 (N=24)



2000 (N=23)

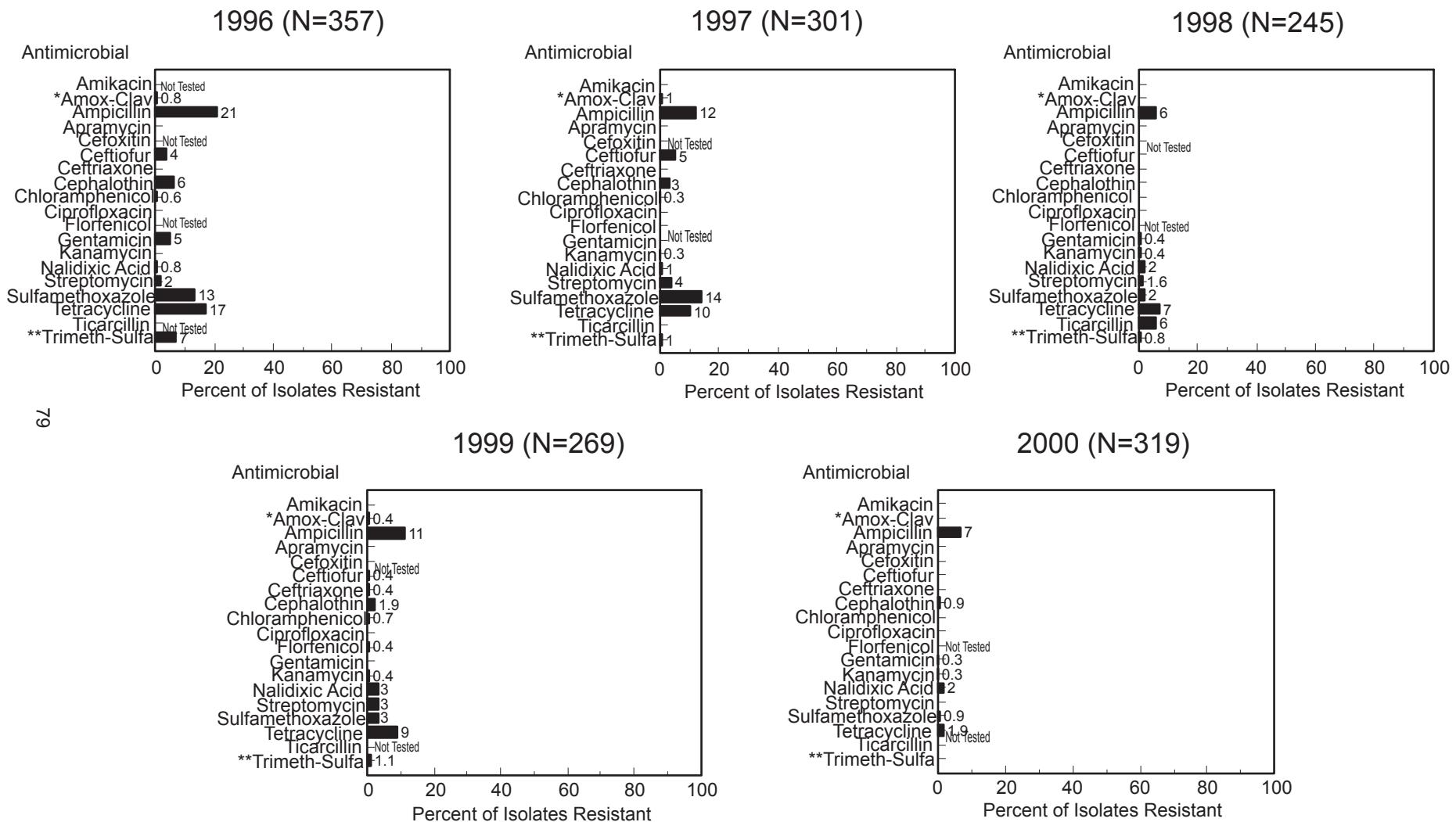


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4c. Resistance among *Salmonella* serotype Enteritidis isolates, 1996 - 2000**

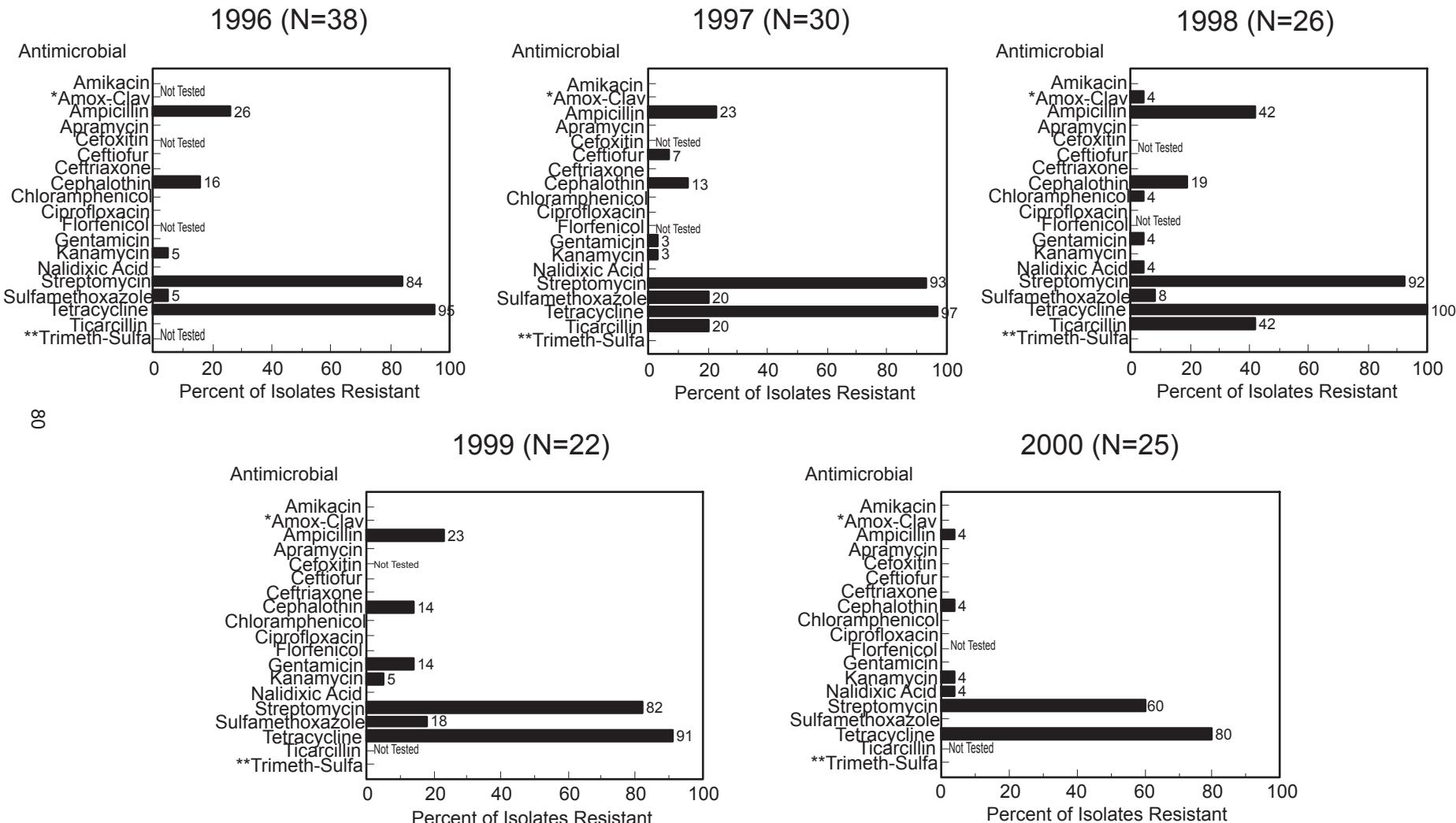


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4d. Resistance among *Salmonella* serotype Hadar isolates, 1996 - 2000**

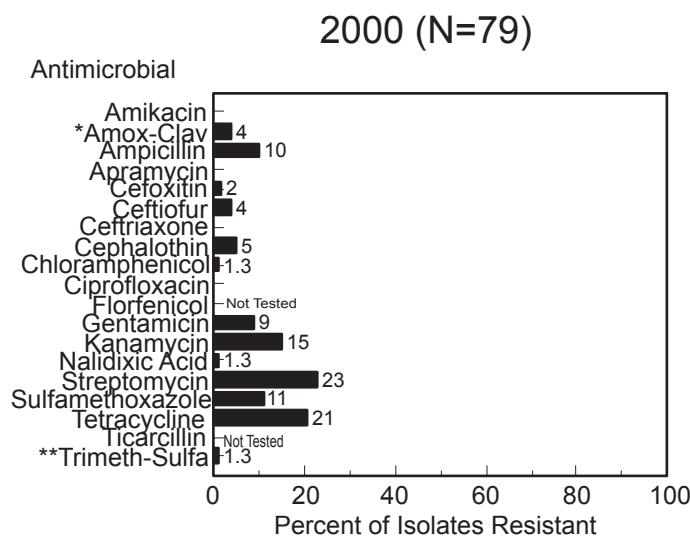
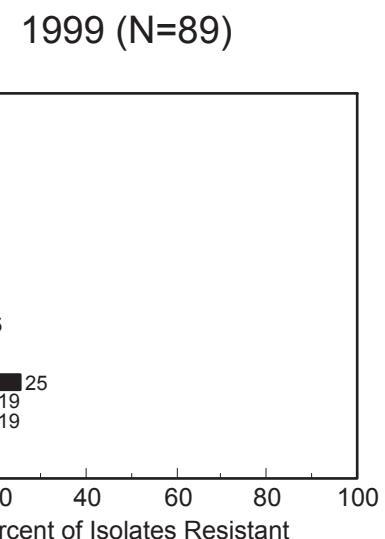
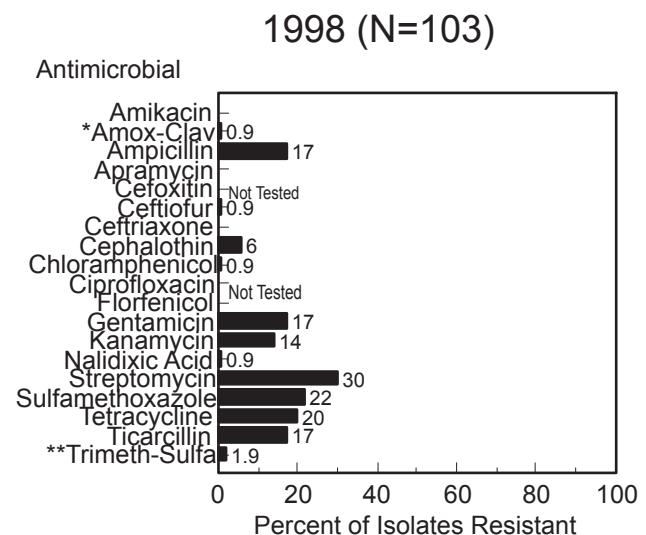
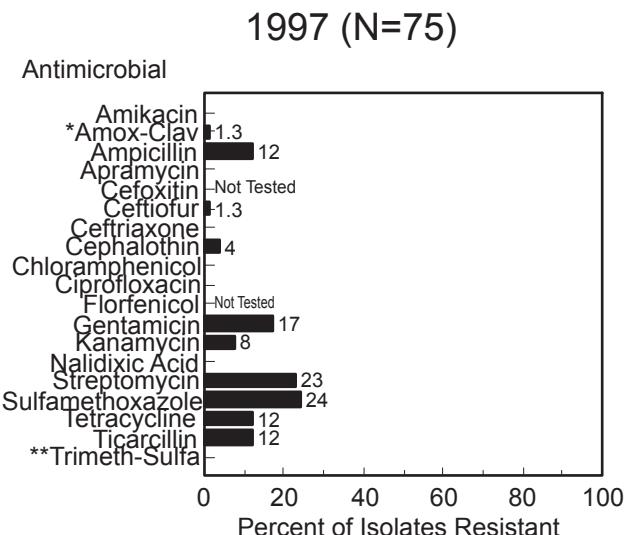
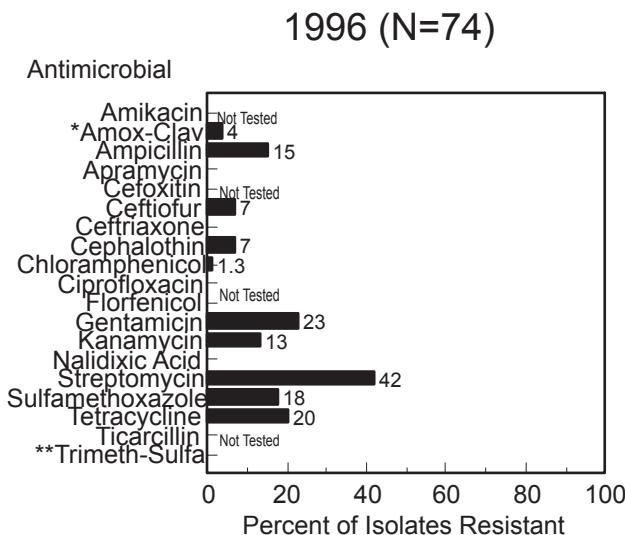


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4e. Resistance among *Salmonella* serotype Heidelberg isolates, 1996 - 2000**

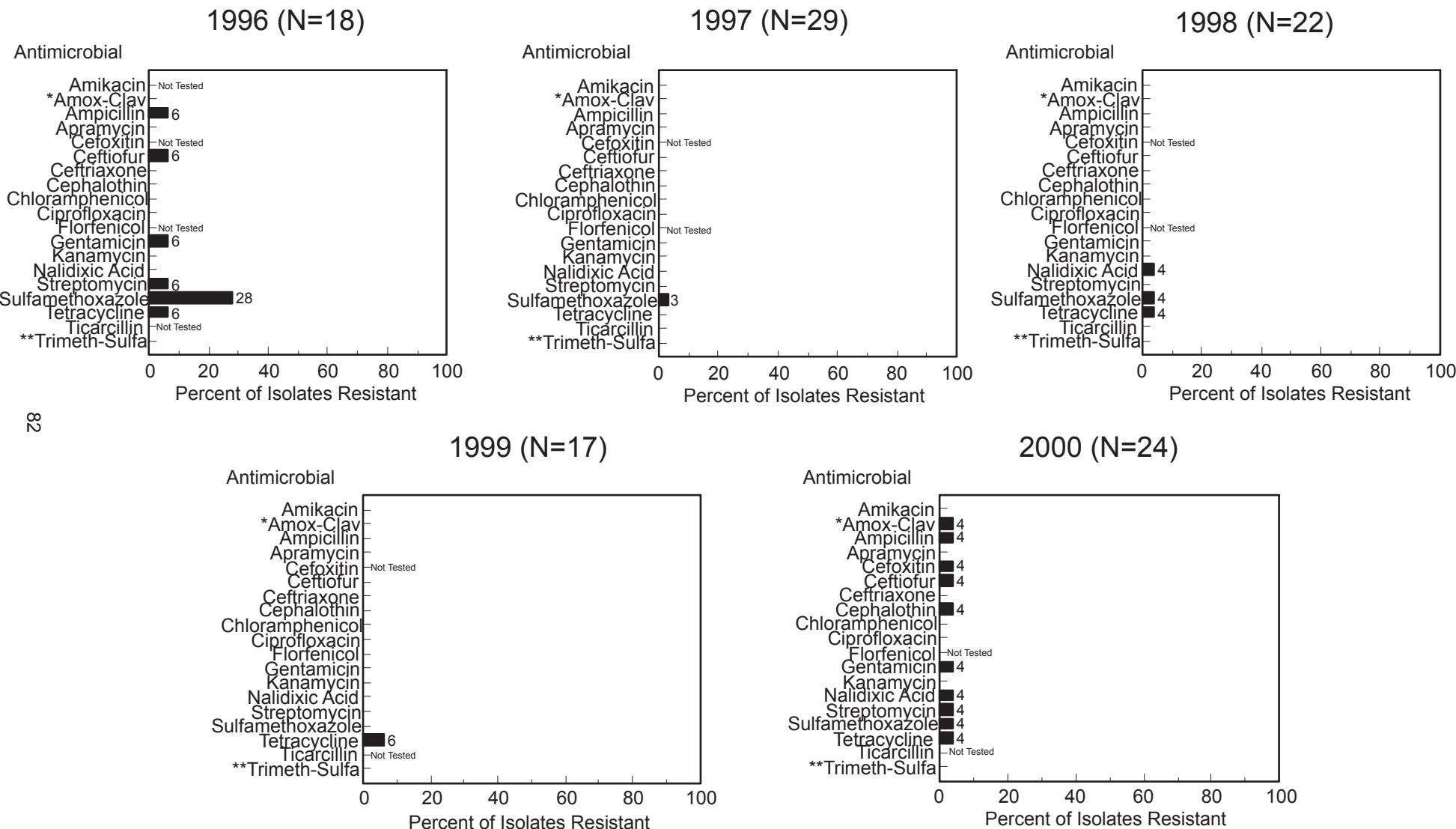


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4f. Resistance among *Salmonella* serotype *Infantis* isolates, 1996 - 2000**

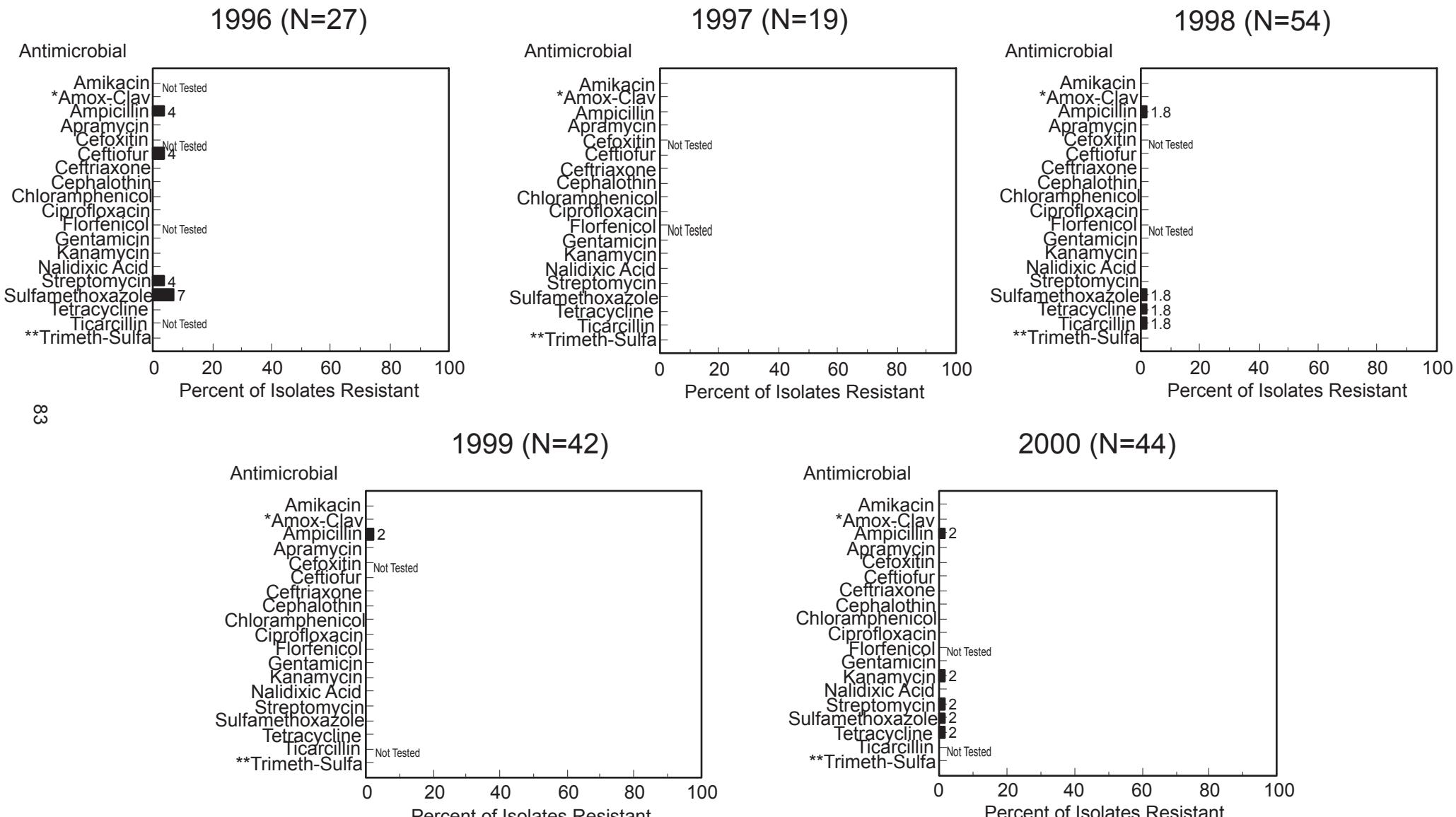


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4g. Resistance among *Salmonella* serotype Javiana isolates, 1996 - 2000**

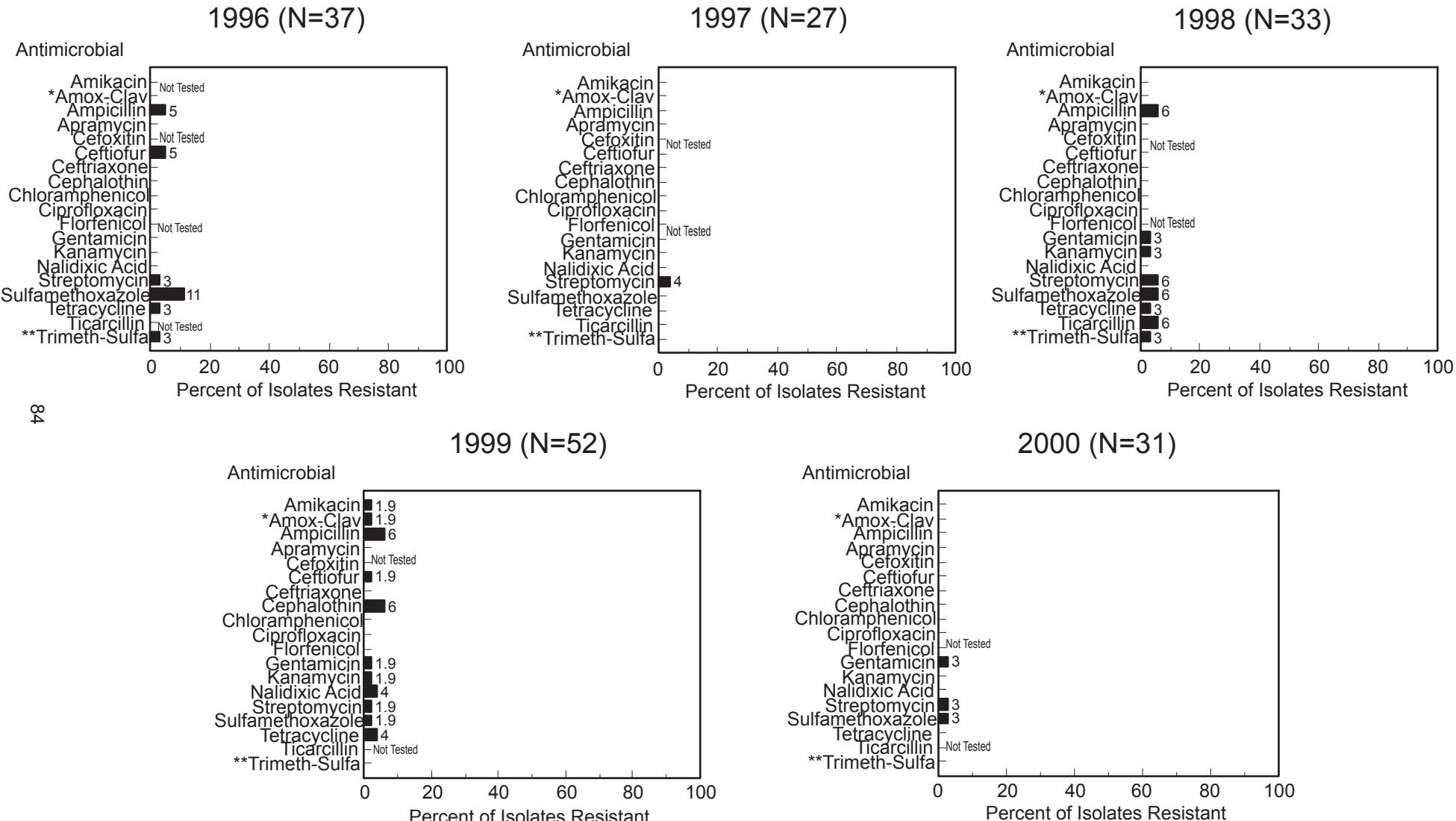


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4h. Resistance among *Salmonella* serotype Montevideo isolates, 1996 - 2000**

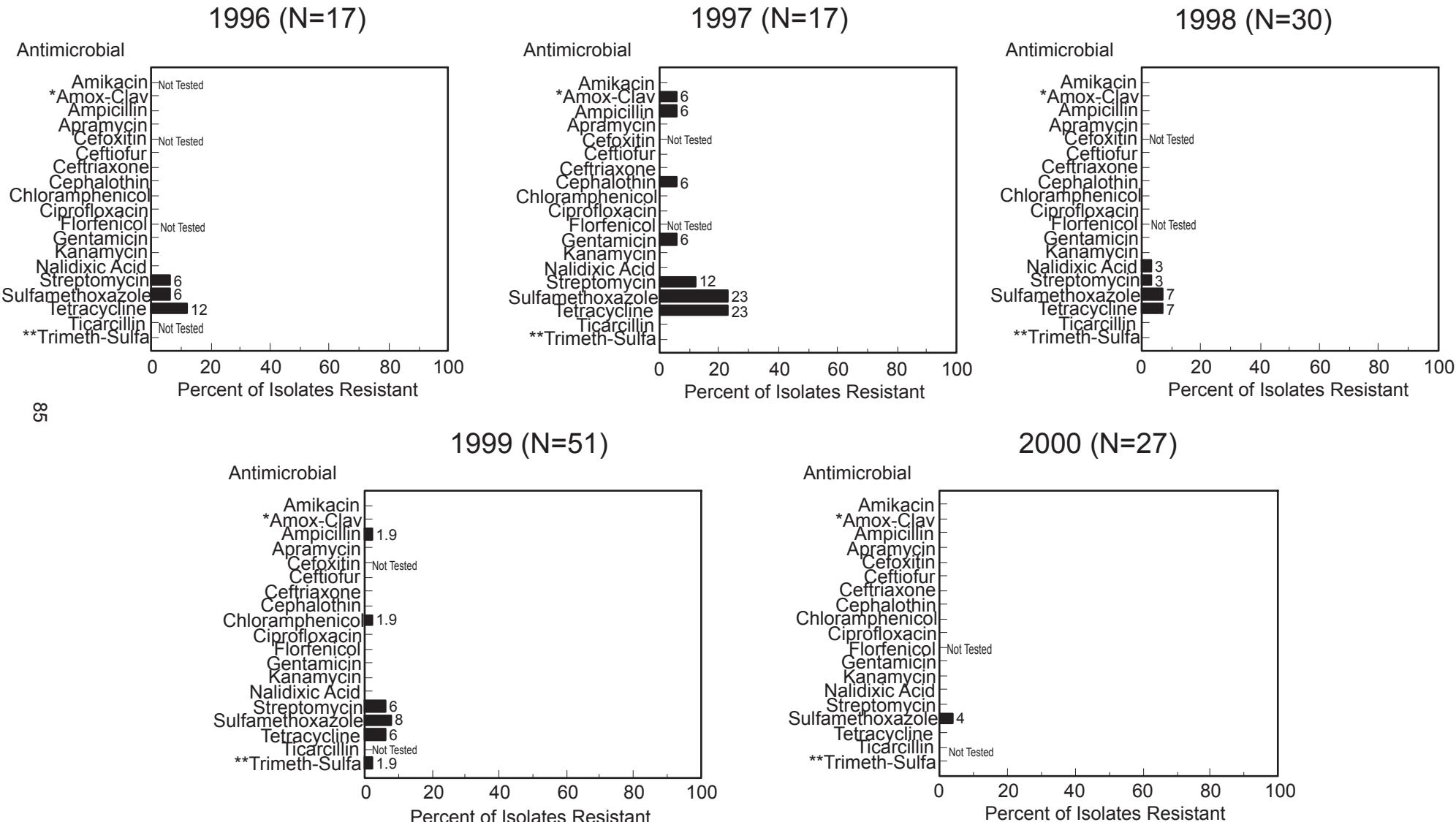


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4i. Resistance among *Salmonella* serotype Muenchen isolates, 1996 - 2000**

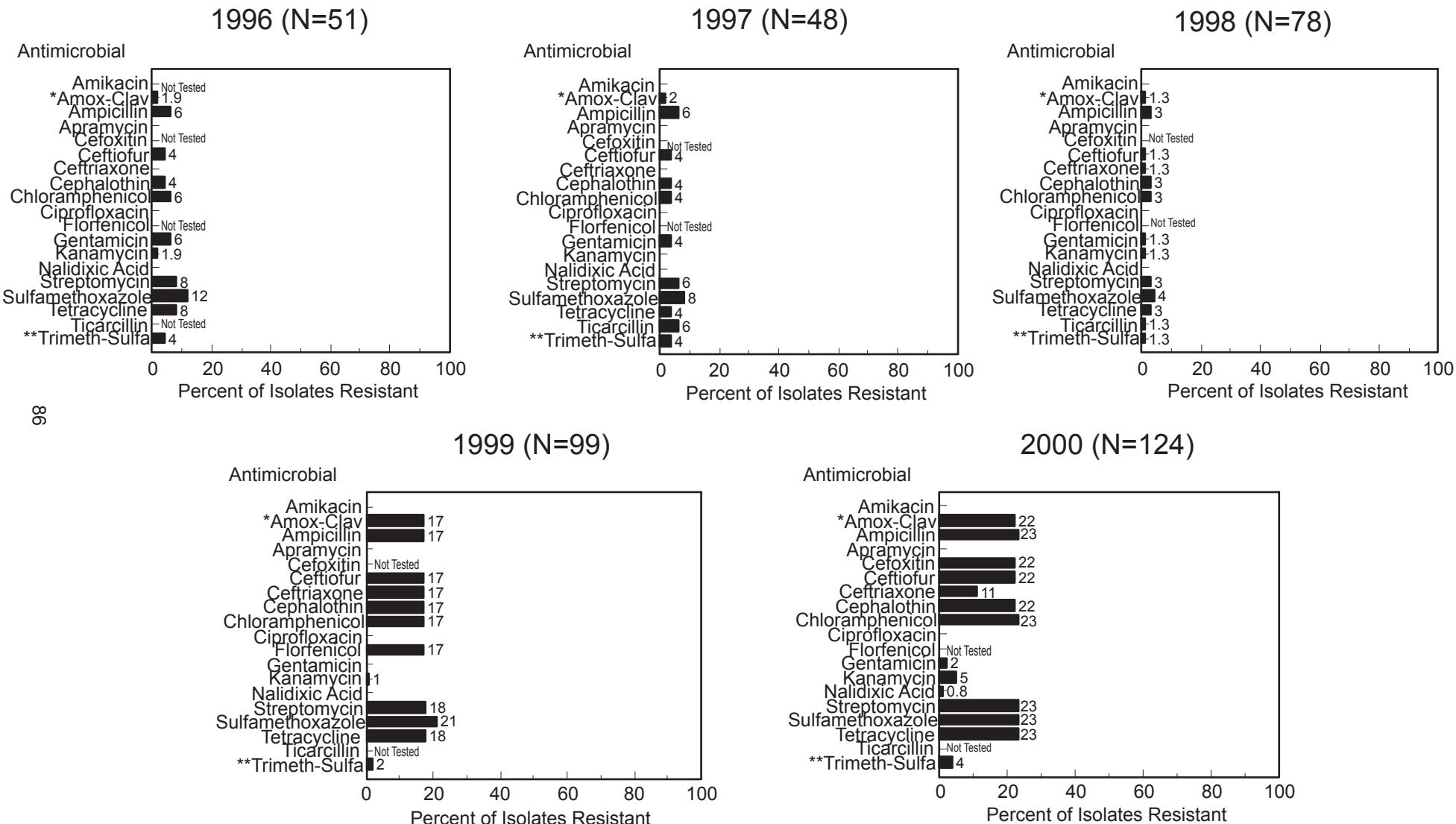


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4j. Resistance among *Salmonella* serotype Newport isolates, 1996 - 2000**

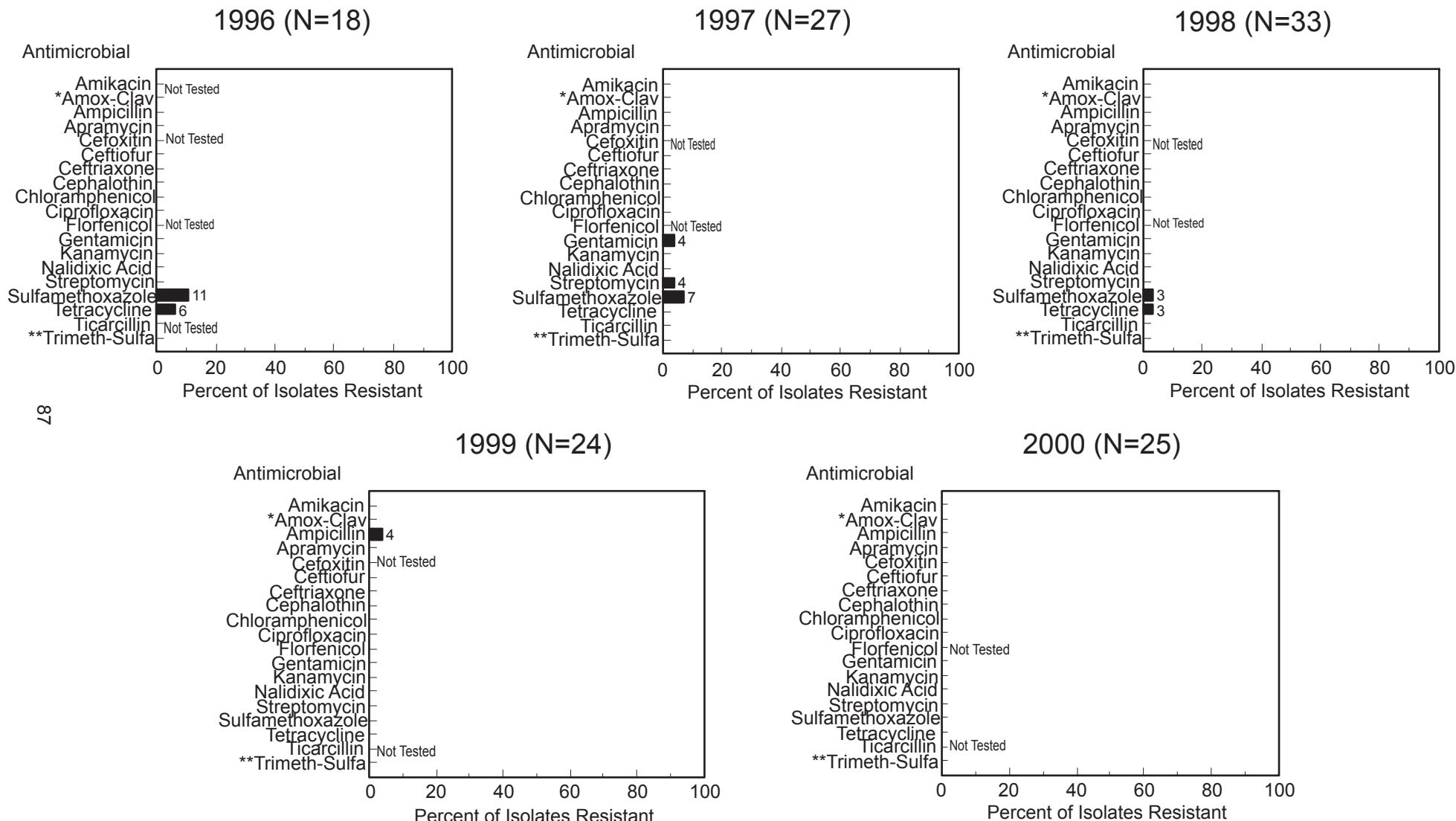


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4k. Resistance among *Salmonella* serotype Oranienburg isolates, 1996 - 2000**

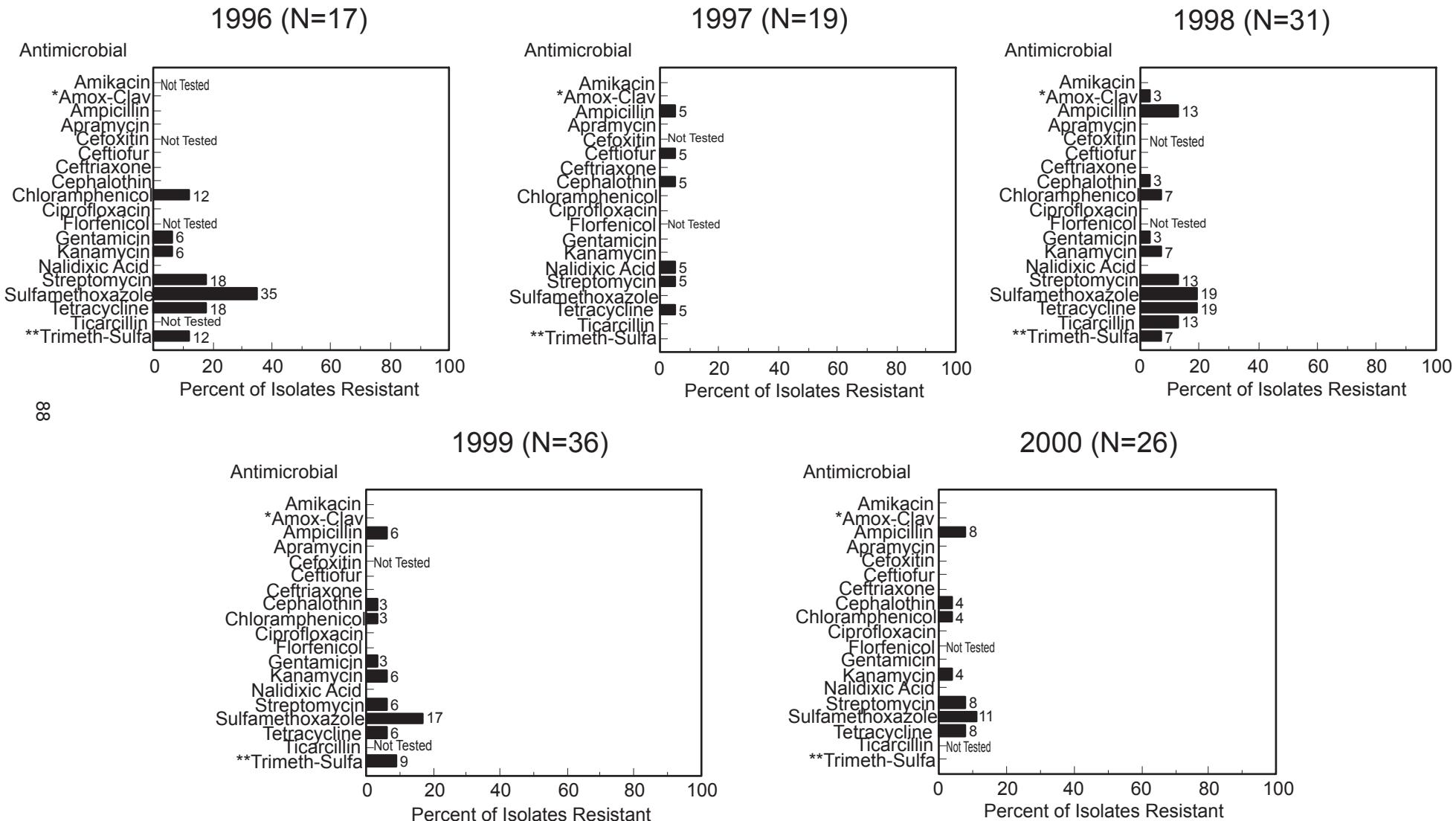


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4I. Resistance among *Salmonella* serotype Saint Paul isolates, 1996 - 2000**

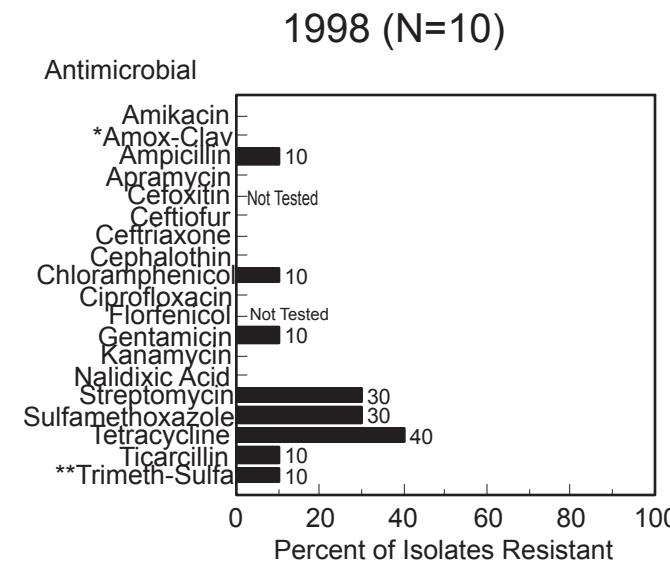
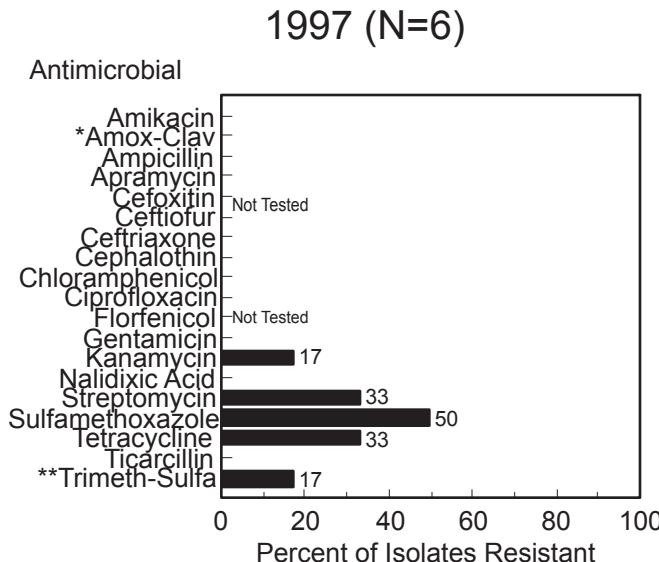
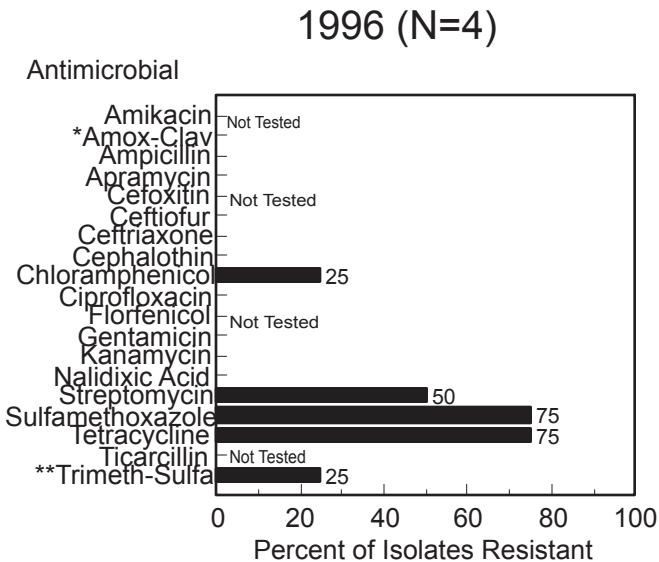


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

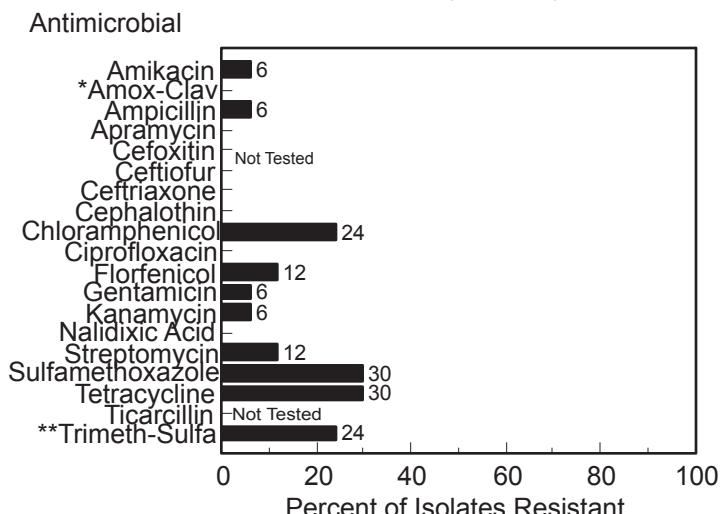
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4m. Resistance among *Salmonella* serotype Stanley isolates, 1996 - 2000**

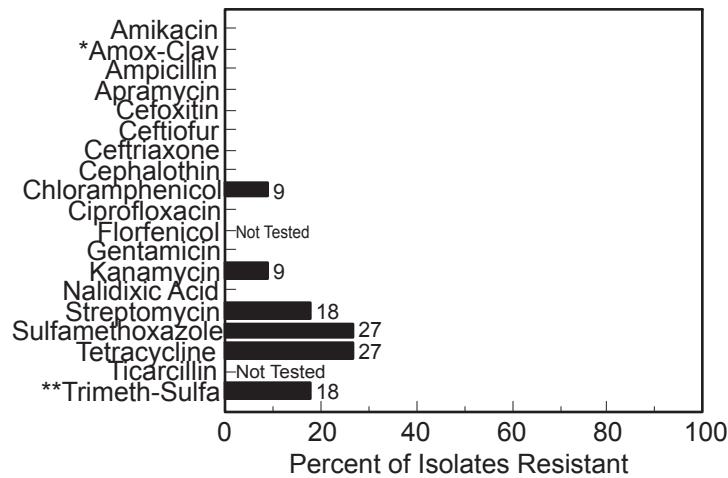


68

**1999 (N=17)**



**2000 (N=11)**

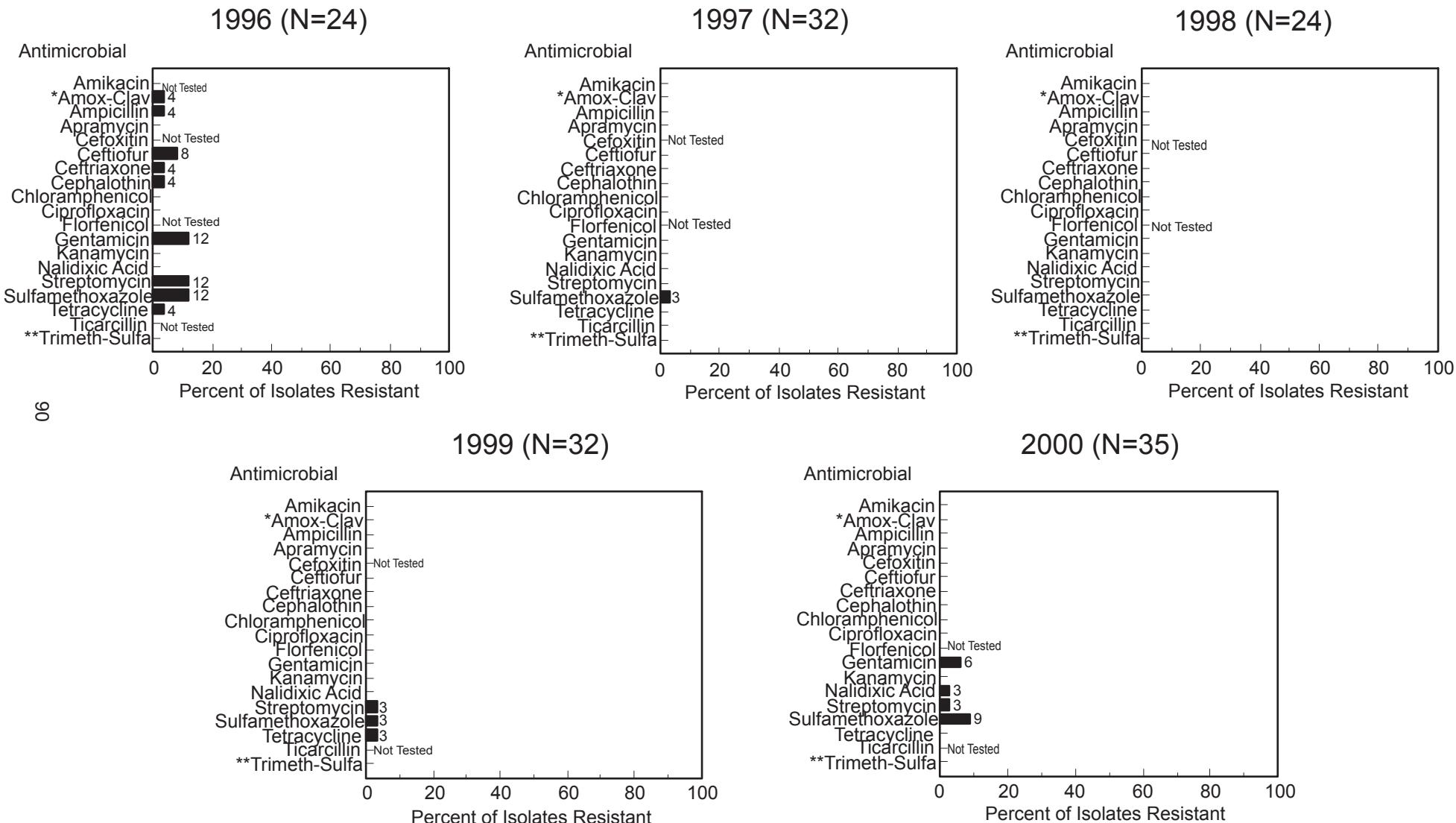


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4n. Resistance among *Salmonella* serotype Thompson isolates, 1996 - 2000**

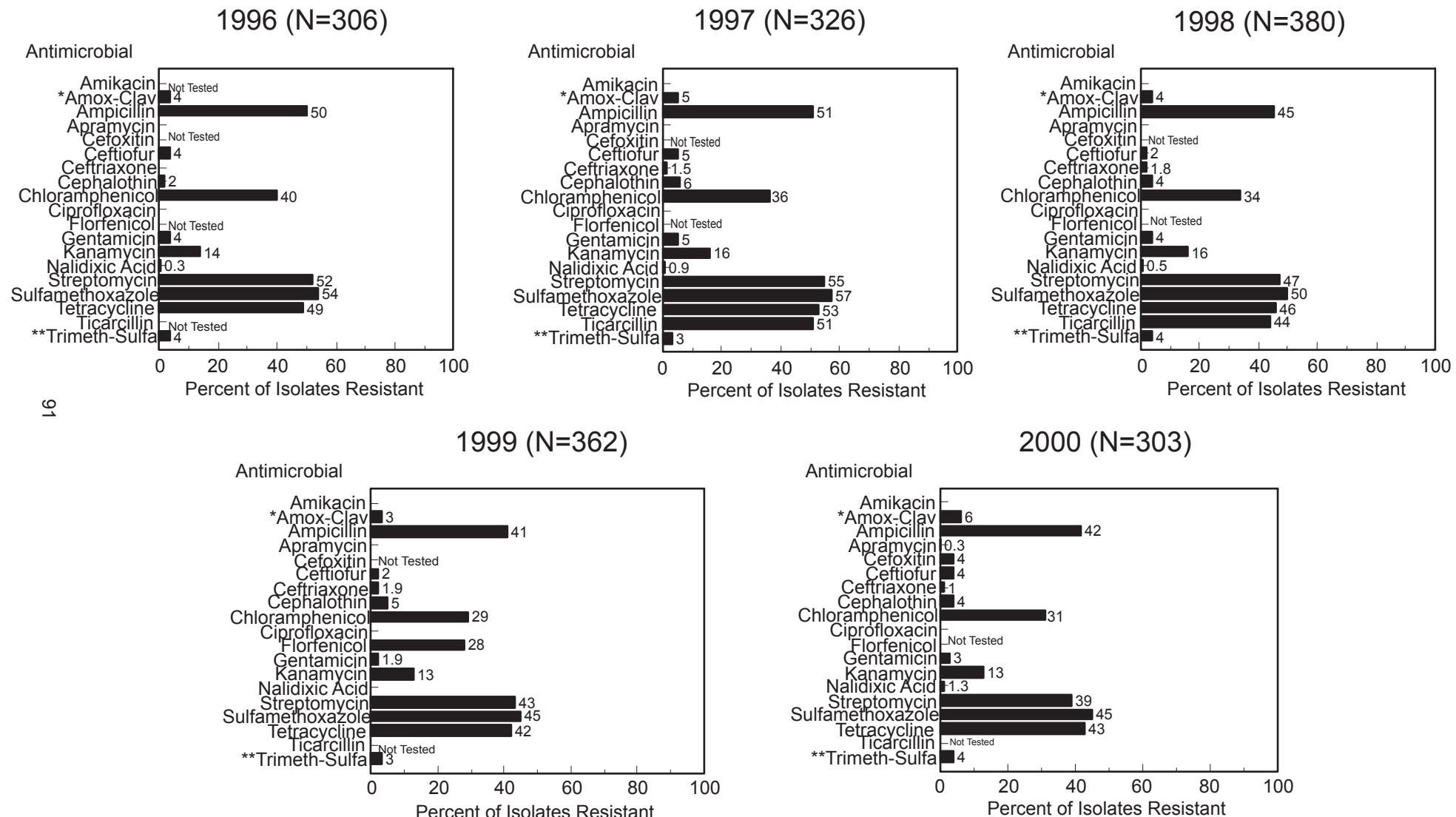


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 4o. Resistance among *Salmonella* serotype Typhimurium isolates, 1996 - 2000**

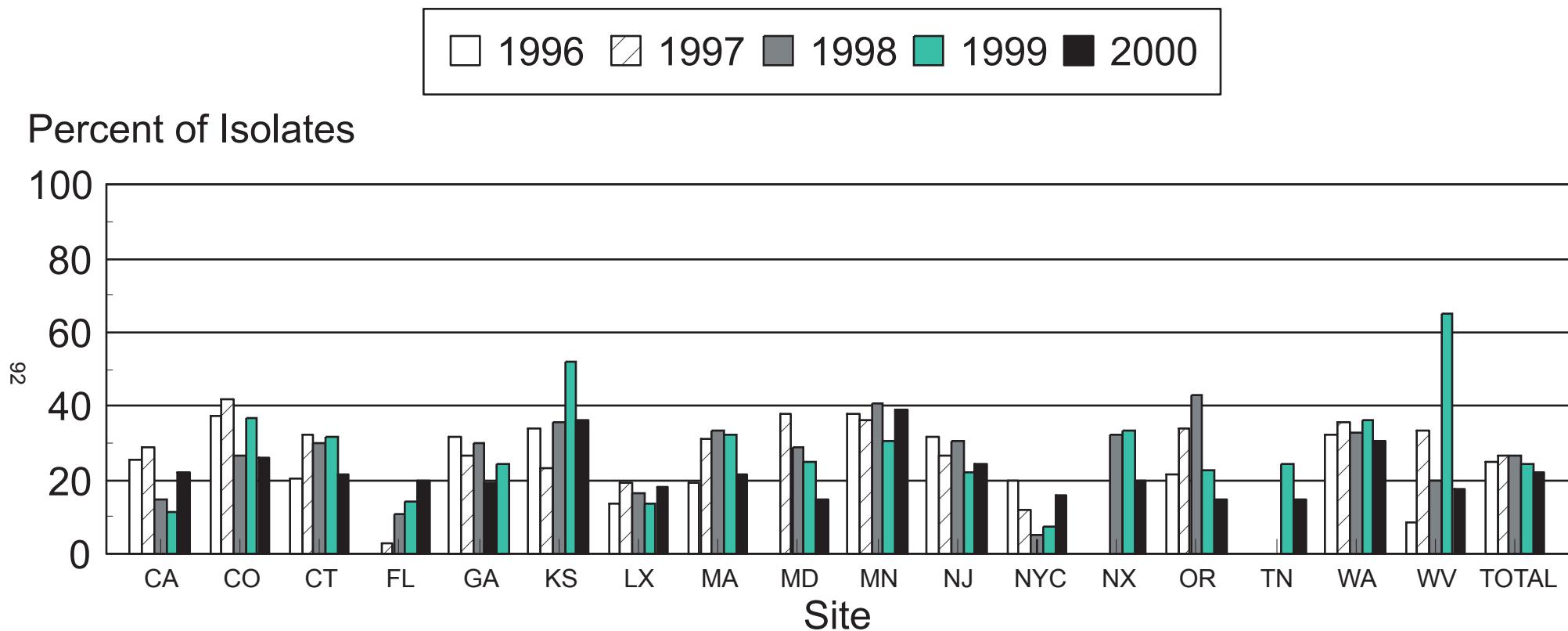


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring SystemFor Enteric Bacteria

**Figure 5. Percent of non-Typhi *Salmonella* isolates that are serotype Typhimurium, by site, 1996 - 2000**



Percent Typhimurium for all sites:

1996 - 306/1326 = 23%   1997 - 326/1301 = 25%   1998 - 380/1466 = 26%

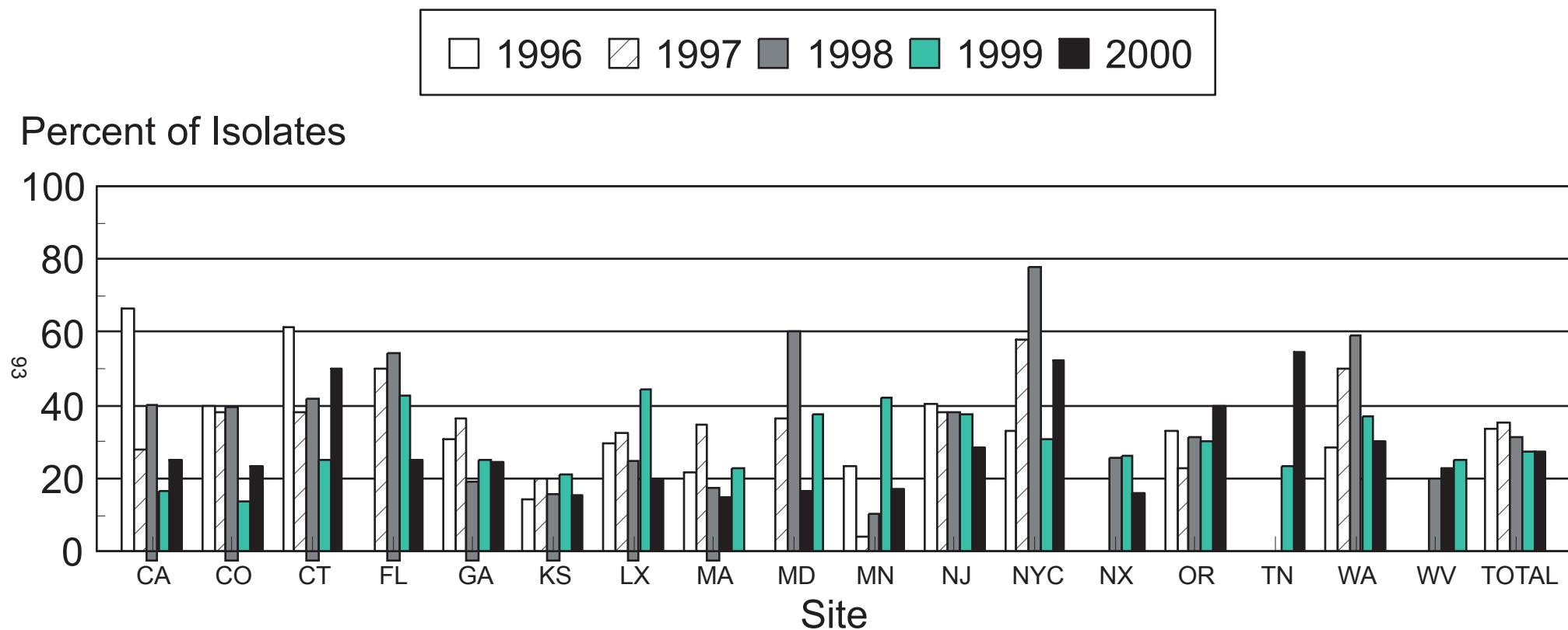
1999 - 362/1499 = 24%   2000 - 303/1378 = 22%

CA=Alameda, Contra Costa, and San Francisco counties  
NX=excluding New York City

LX=Los Angeles County  
NYC= New York

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 6. Percent of *Salmonella* Typhimurium isolates that are resistant to at least ampicillin, chloramphenicol, streptomycin, sulfamethoxazole, and tetracycline (ACSSuT), by site, 1996 - 2000**



Percent Typhimurium with at least ACSSuT pattern for all sites:

1996 - 103/306 = 34%   1997 - 115/326 = 35%   1998 - 120/380 = 32%

1999 - 102/362 = 28%   2000 - 84/303 = 28%

CA=Alameda, Contra Costa, and San Francisco counties

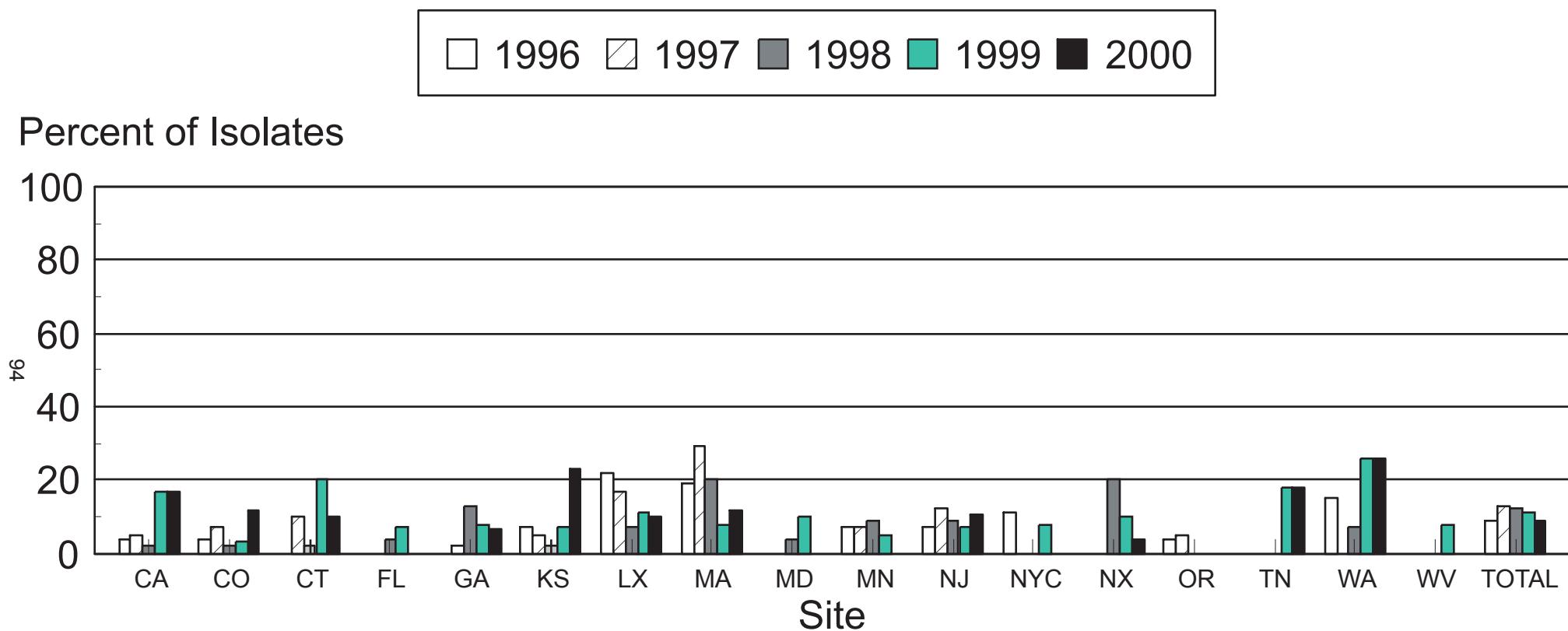
NX=excluding New York City

LX=Los Angeles County

NYC>New York City

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 7. Percent of *Salmonella* Typhimurium isolates that are resistant to at least ampicillin, kanamycin, streptomycin, sulfamethoxazole, and tetracycline (AKSSuT), by site, 1996 - 2000**



Percent Typhimurium with at least AKSSuT pattern for all sites:

1996 - 27/306 = 9%    1997 - 41/326 = 13%    1998 - 46/380 = 12%

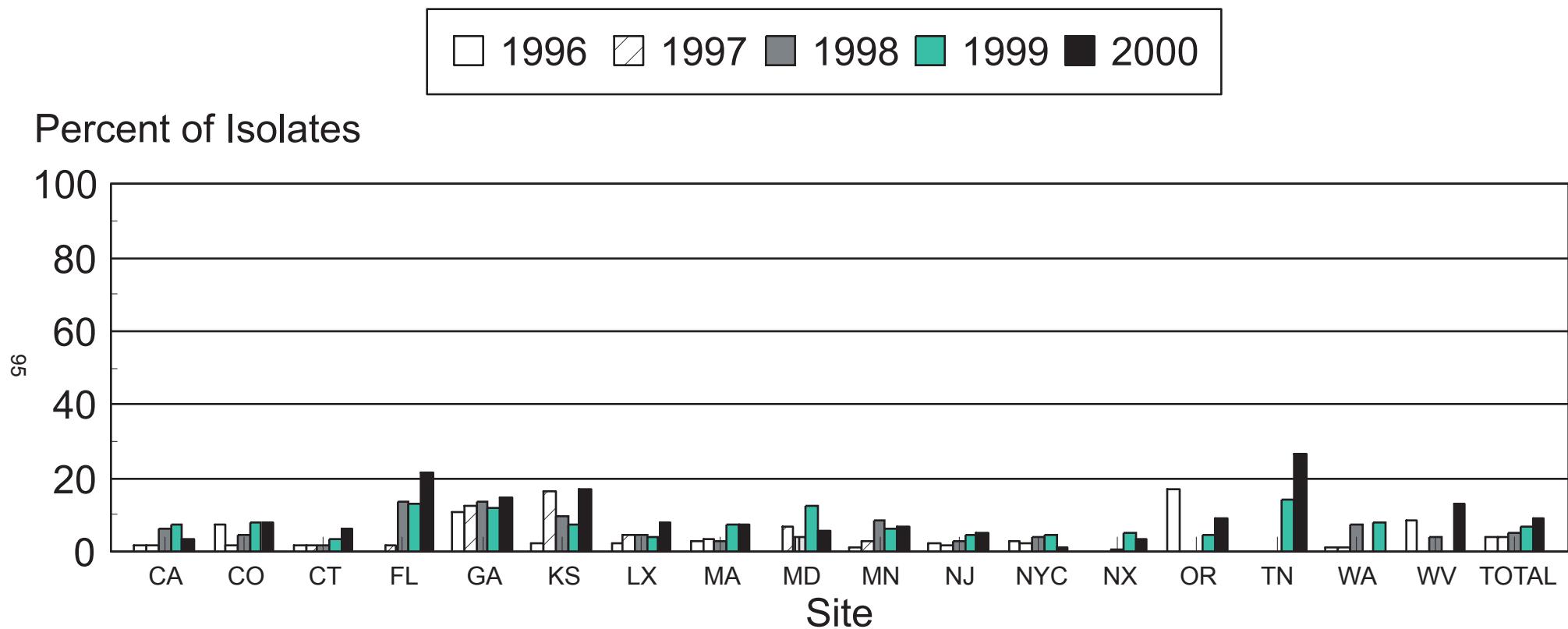
1999 - 39/362 = 11%    2000 - 28/303 = 9%

CA=Alameda, Contra Costa, and San Francisco counties    LX=Los Angeles County

NX=excluding New York City    NYC=New York City

# National Antimicrobial Resistance Monitoring SystemFor Enteric Bacteria

**Figure 8. Percent of non-Typhi *Salmonella* isolates that are serotype Newport, by site, 1996 - 2000**



Percent Newport for all sites:

1996 - 51/1326 = 4%   1997 - 48/1301 = 4%   1998 - 78/1466 = 5%

1999 - 99/1499 = 7%   2000 - 124/1378 = 9%

CA=Alameda, Contra Costa, and San Francisco counties

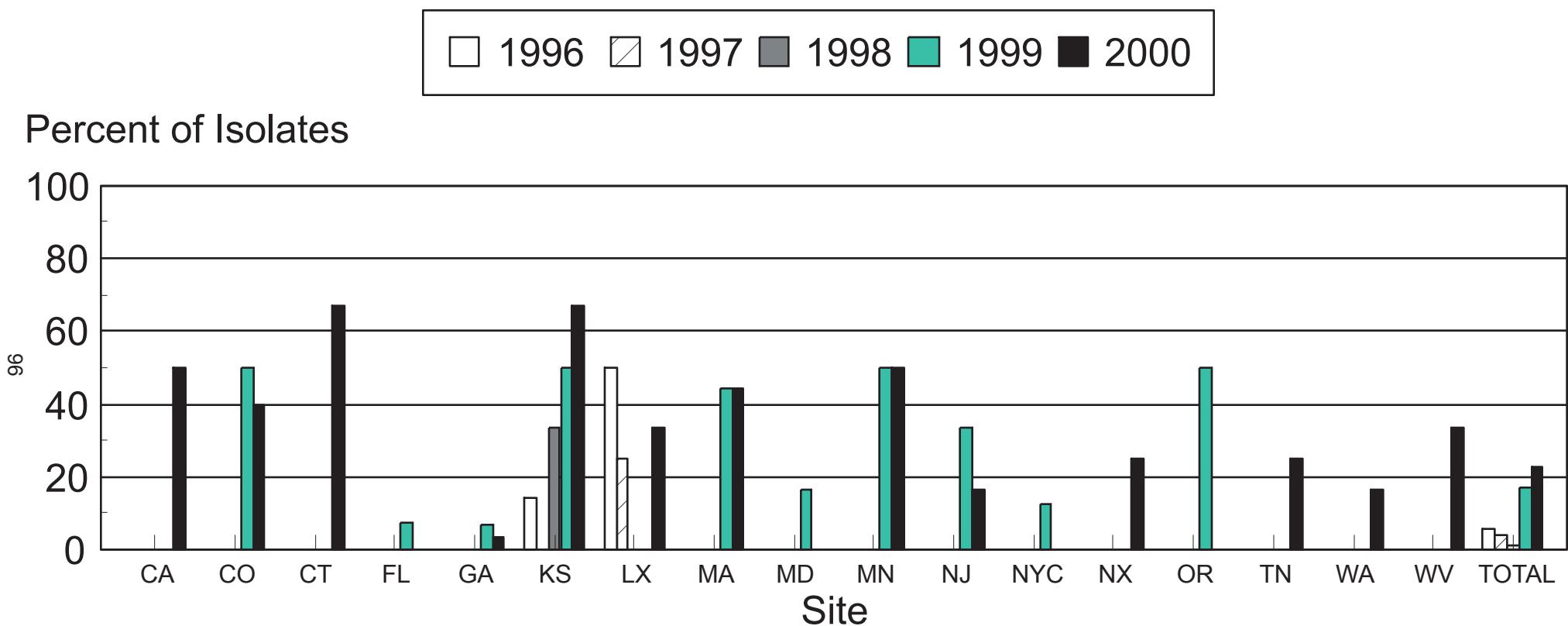
NX=excluding New York City

LX=Los Angeles County

NYC>New York City

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 9. Percent of *Salmonella* Newport isolates that are resistant to at least ampicillin, chloramphenicol, streptomycin, sulfamethoxazole, and tetracycline (ACSSuT), by site, 1996 - 2000**



Percent Newport with ACSSuT pattern for all sites:

1996 - 3/51 = 6%   1997 - 2/48 = 4%   1998 - 1/78 = 1%

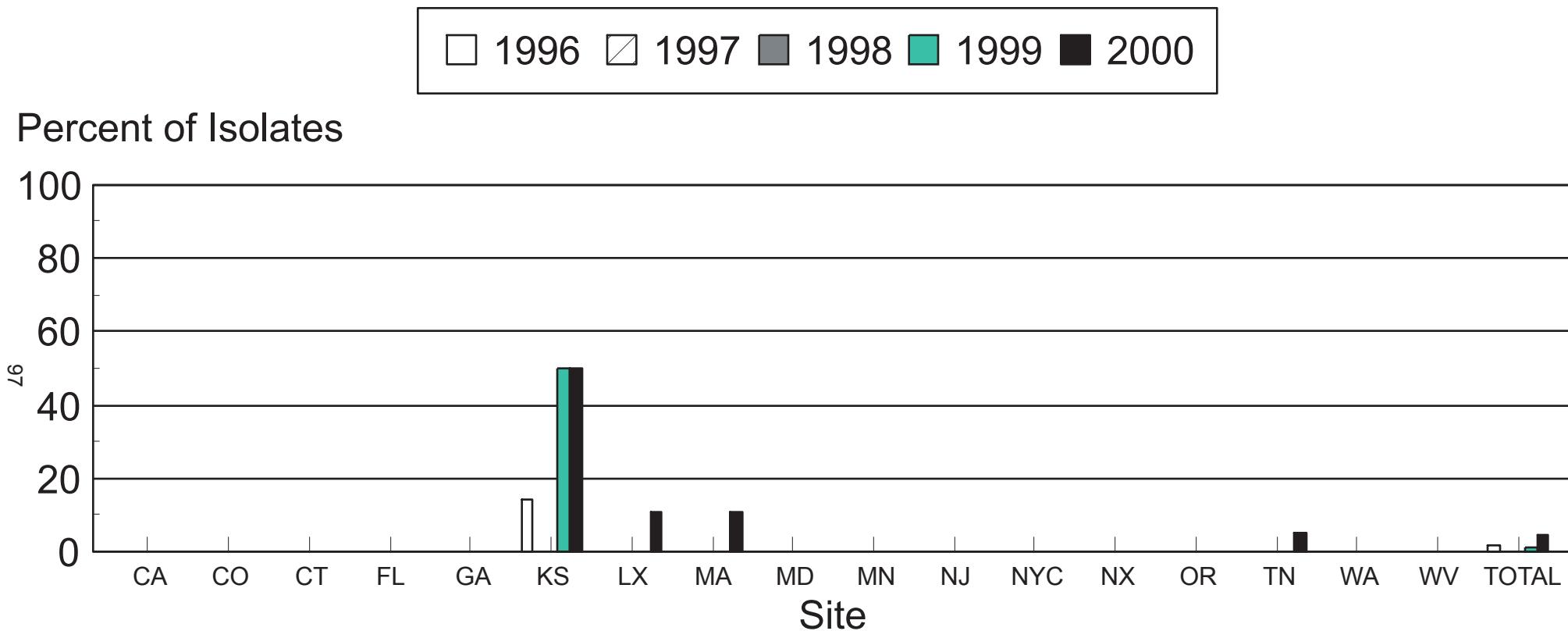
1999 - 17/99 = 17%   2000 - 28/124 = 23%

CA=Alameda, Contra Costa, and San Francisco counties  
NX=excluding New York City

LX=Los Angeles County  
NYC>New York City

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 10. Percent of *Salmonella* Newport isolates that are resistant to at least ampicillin, kanamycin, streptomycin, sulfamethoxazole, and tetracycline (AKSSuT), by site, 1996 - 2000**



Percent Newport with AKSSuT pattern for all sites:

1996 - 1/51 = 2%   1997 - 0/48 = 0%   1998 - 0/78 = 0%

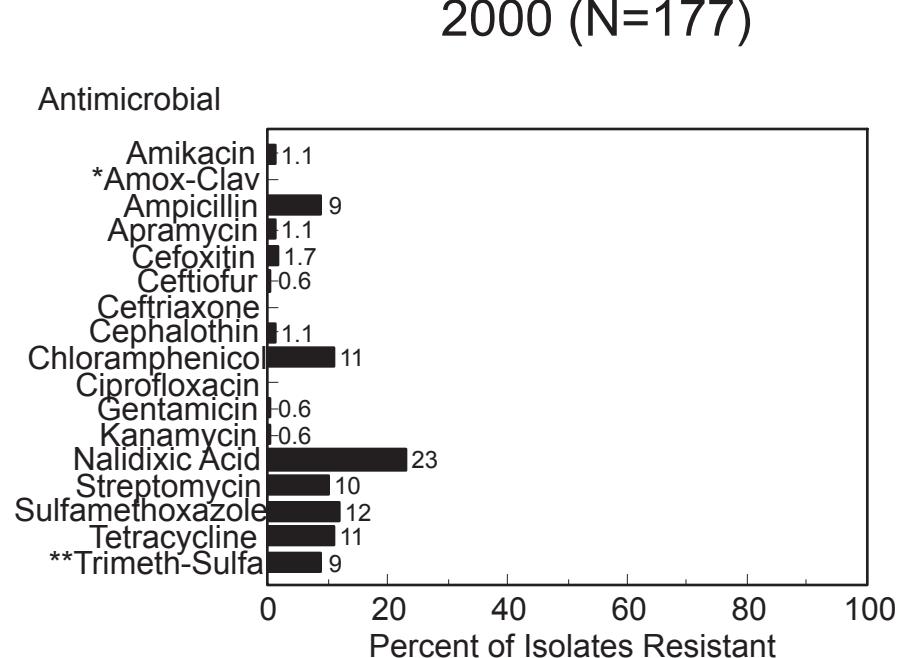
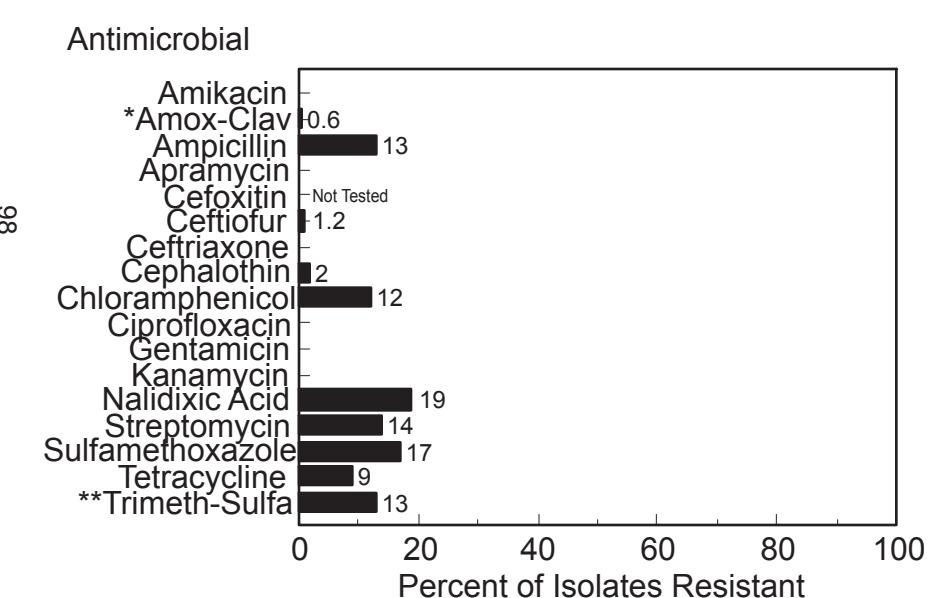
1999 - 1/99 = 1%   2000 - 6/124 = 5%

CA=Alameda, Contra Costa, and San Francisco counties  
NX=excluding New York City

LX=Los Angeles County  
NYC>New York City

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 11. Resistance among *Salmonella* Typhi isolates, 1999 - 2000**



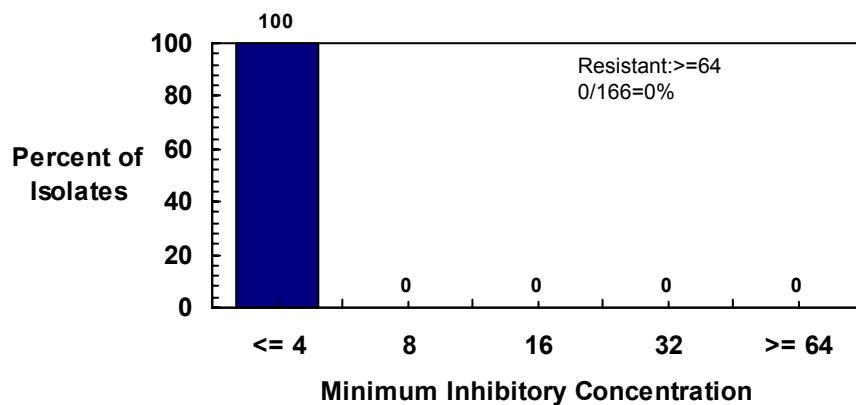
\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

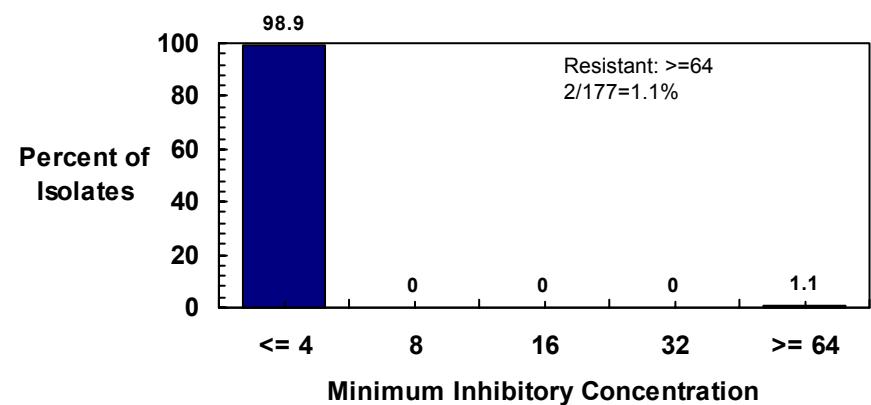
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 12a. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**

1999 Amikacin

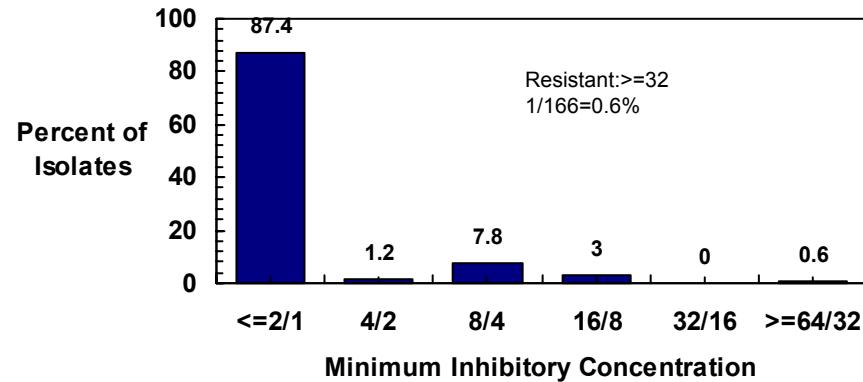


2000 Amikacin

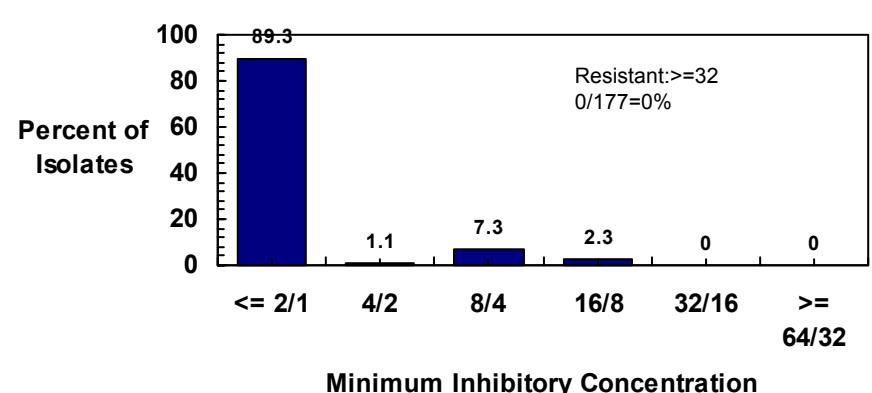


66

1999 Amoxicillin-Clavulanic Acid

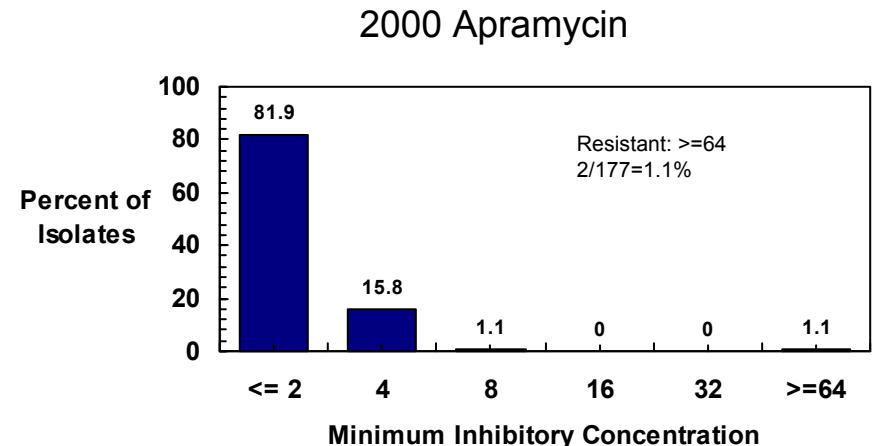
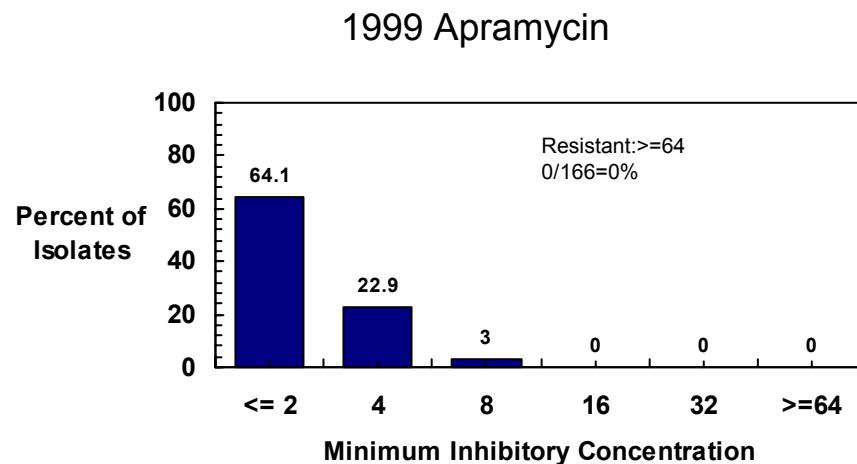
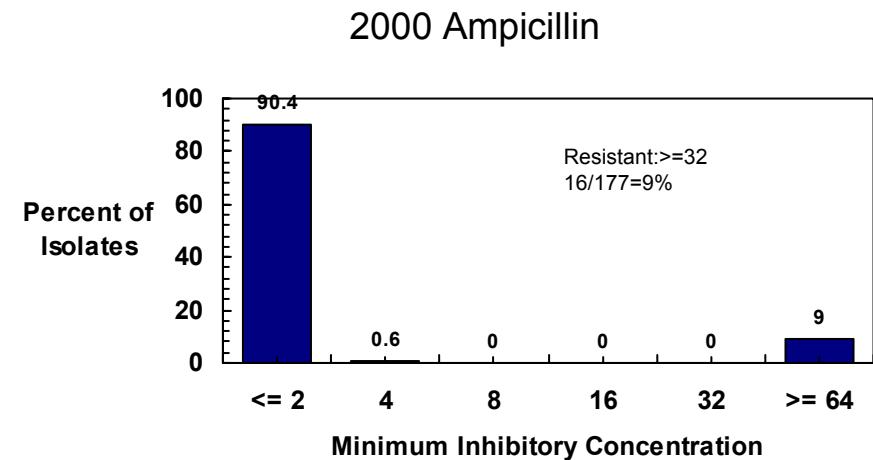
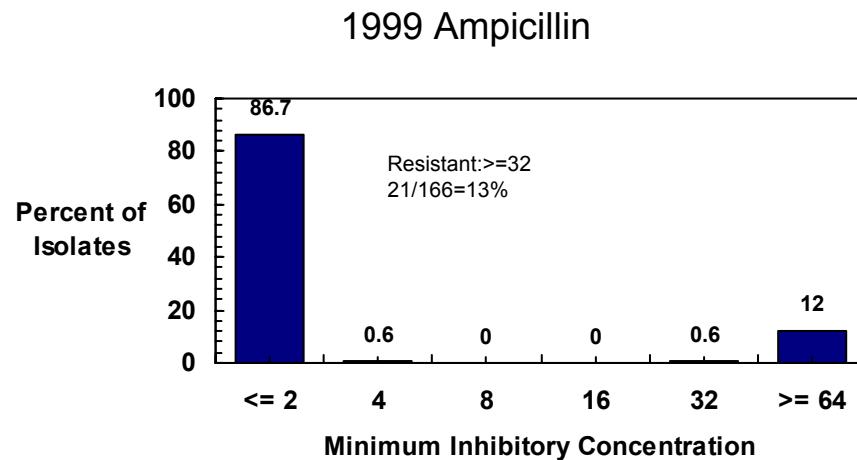


2000 Amoxicillin-Clavulanic Acid



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 12b. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**

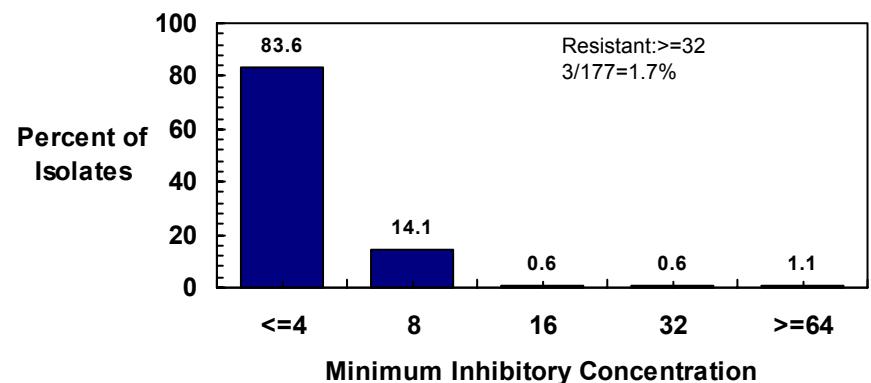


# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

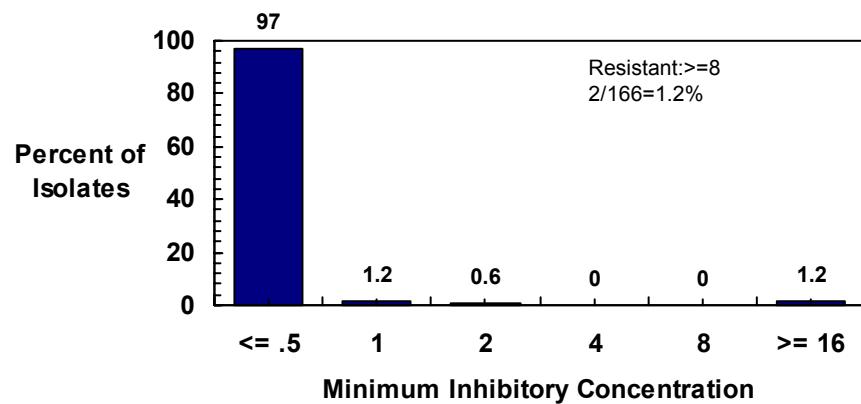
**Figure 12c. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**

Not tested in 1999

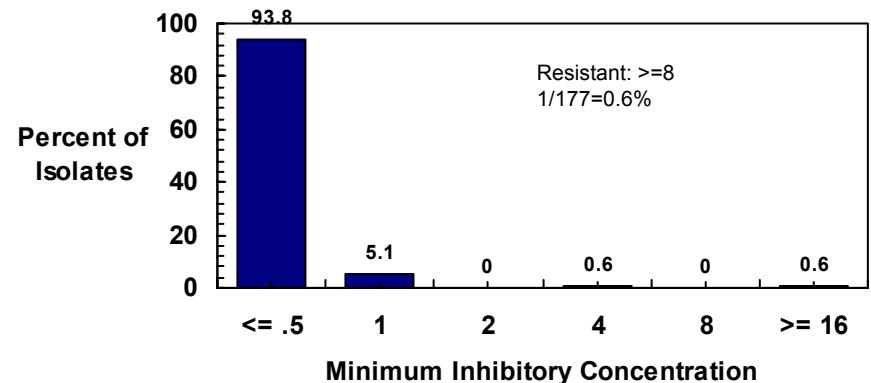
2000 Cefoxitin



1999 Ceftiofur

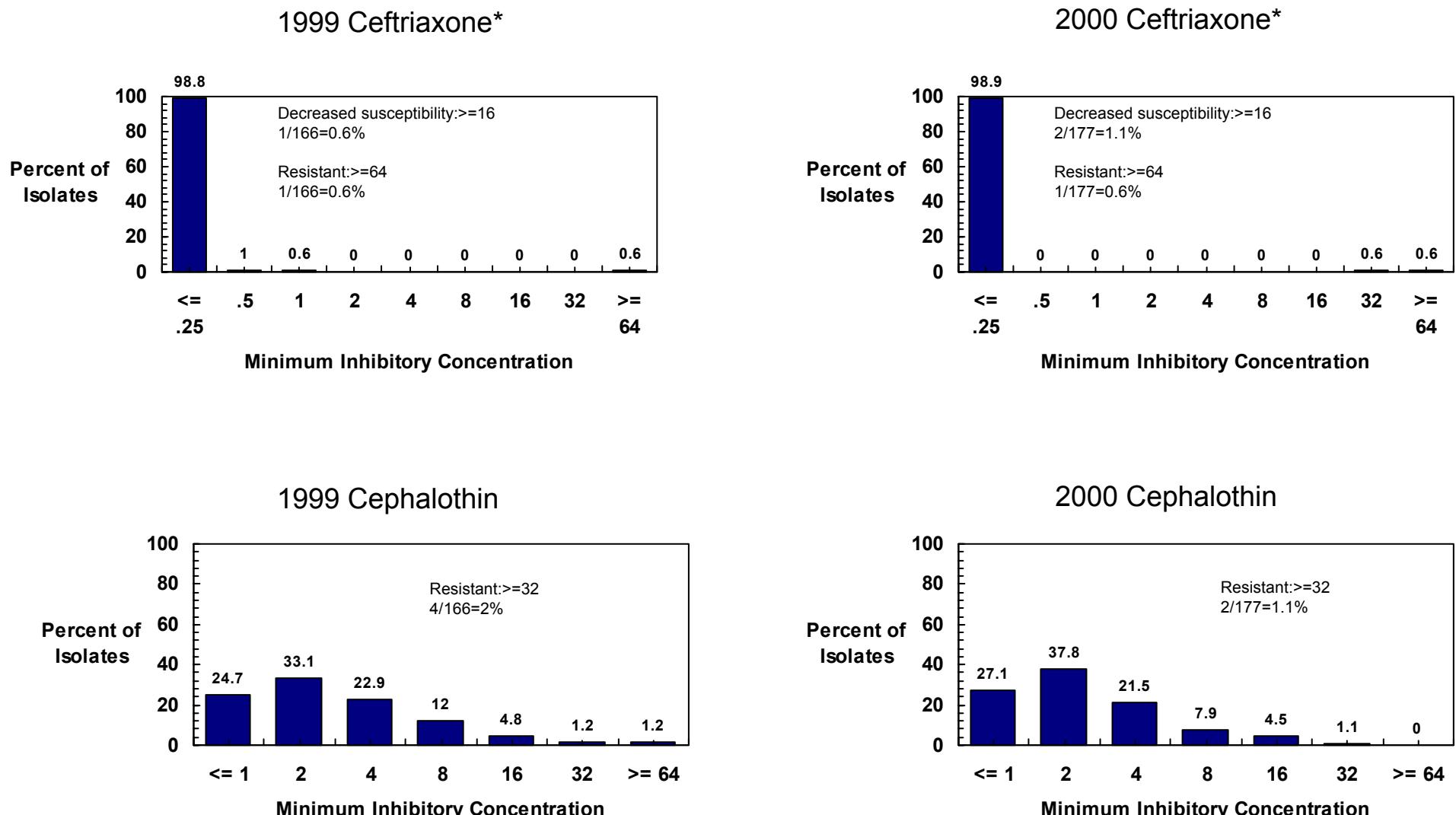


2000 Ceftiofur



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

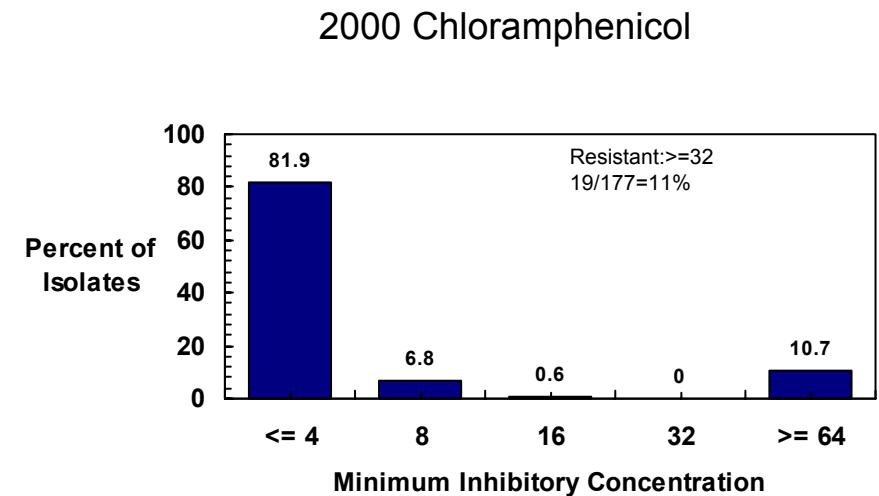
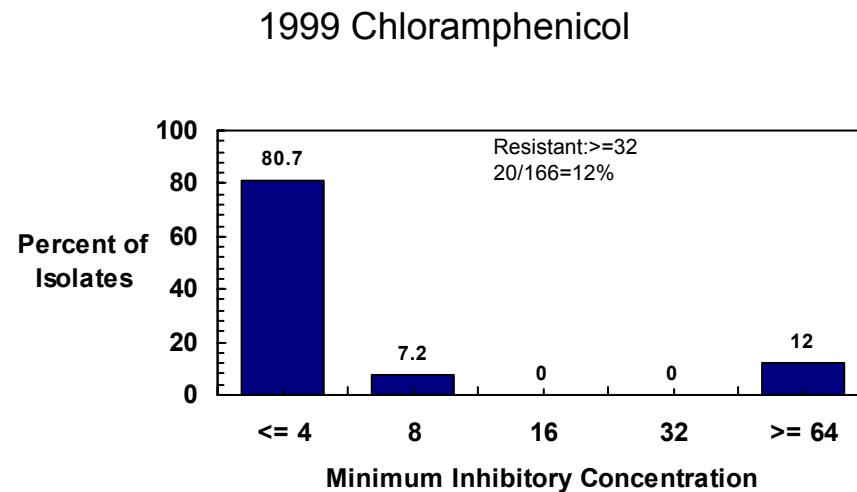
**Figure 12d. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**



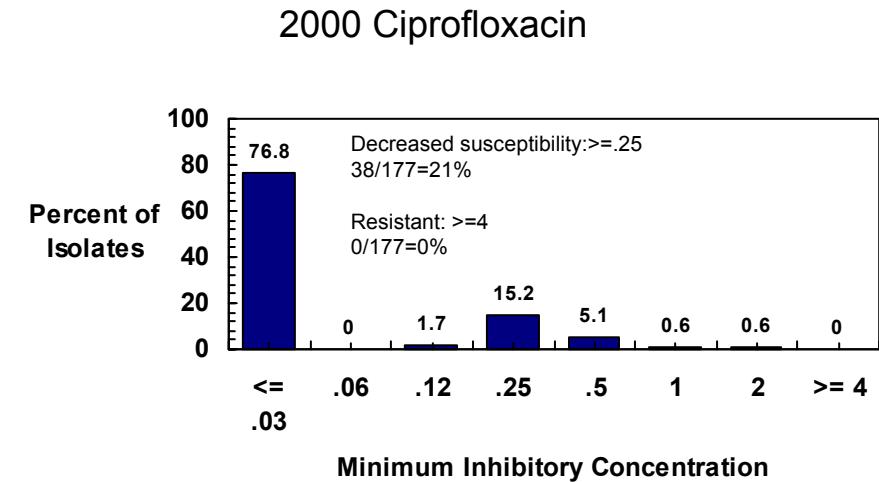
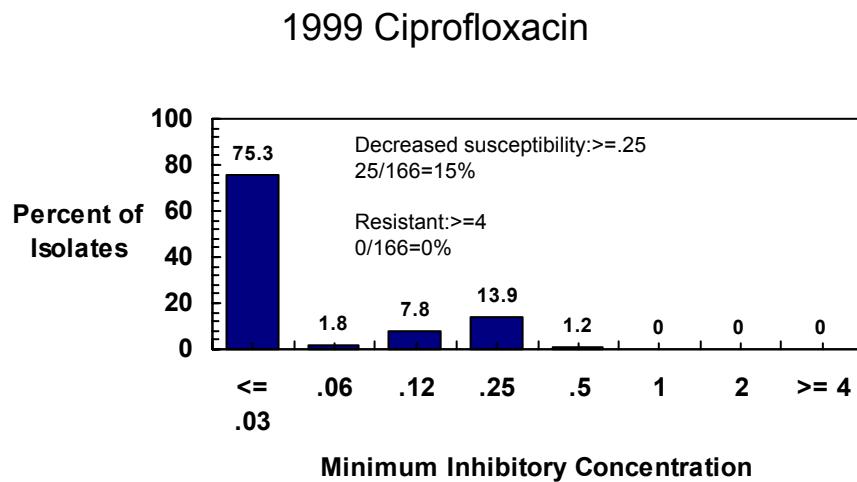
\* Sensititre results only, isolates with decreased susceptibility are also tested by E-test

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 12e. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**

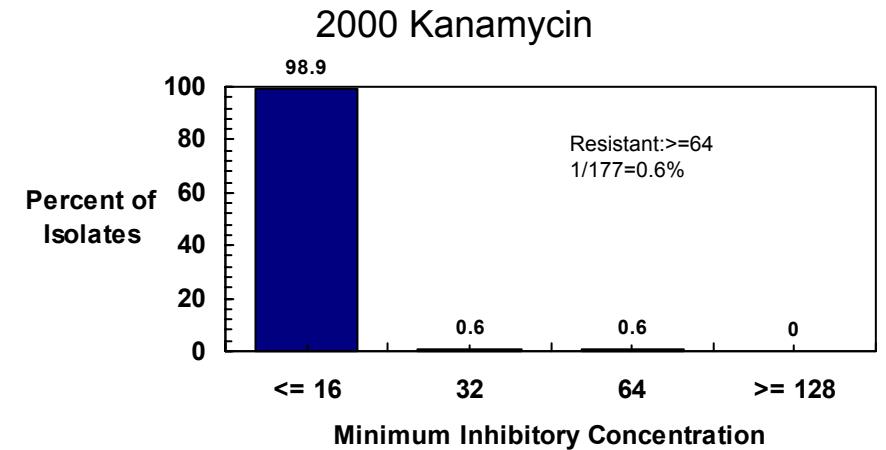
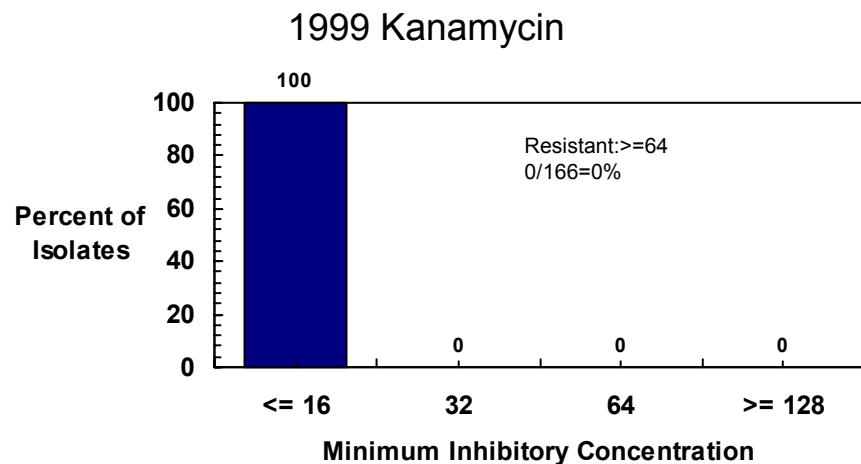
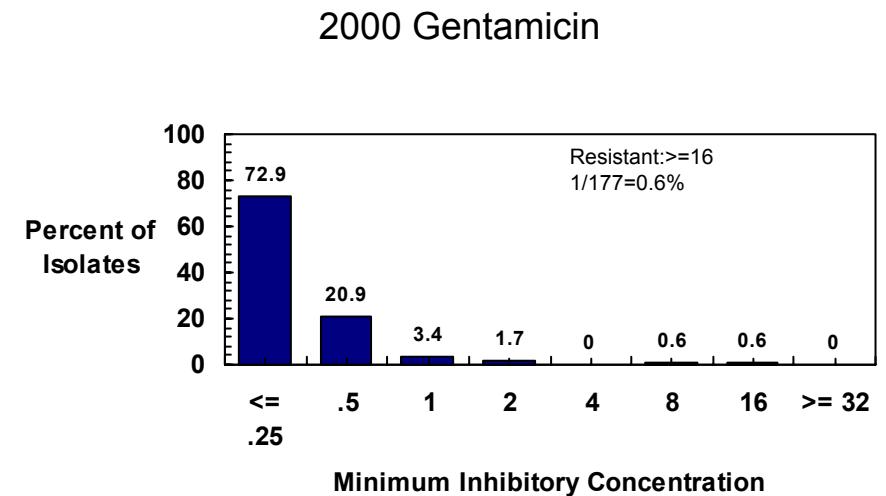
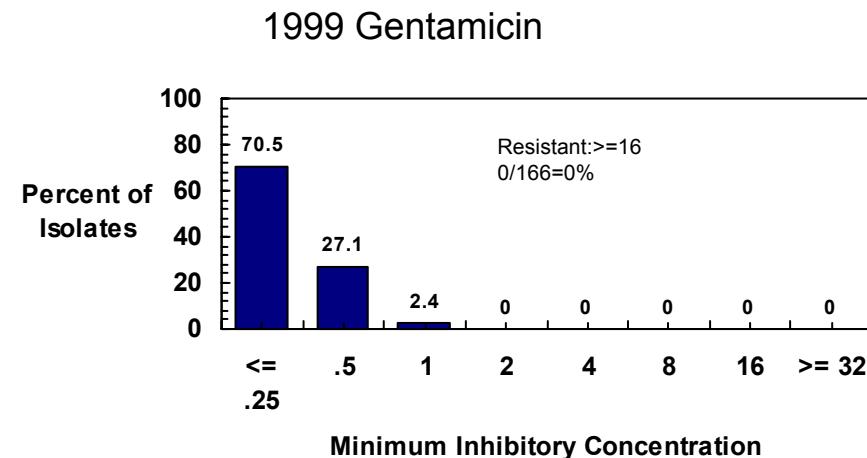


103



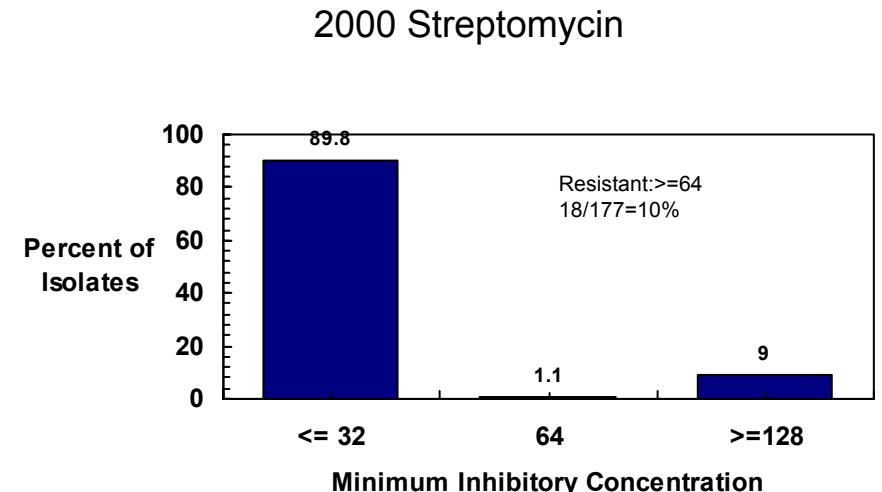
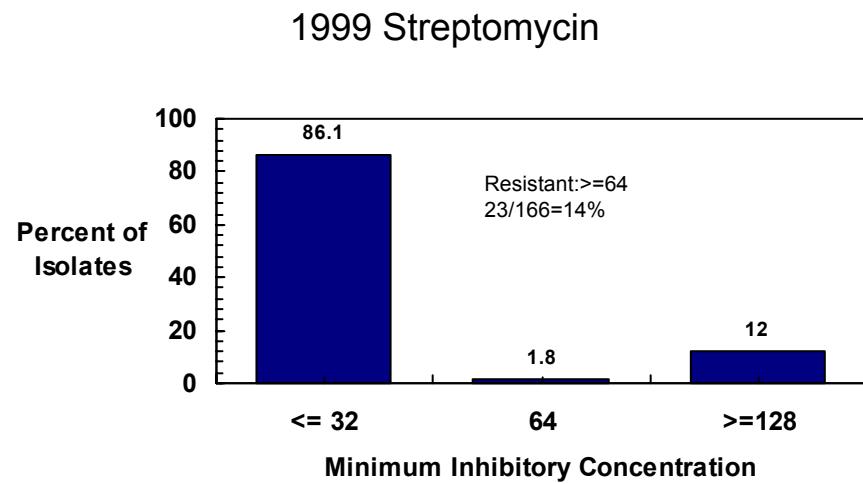
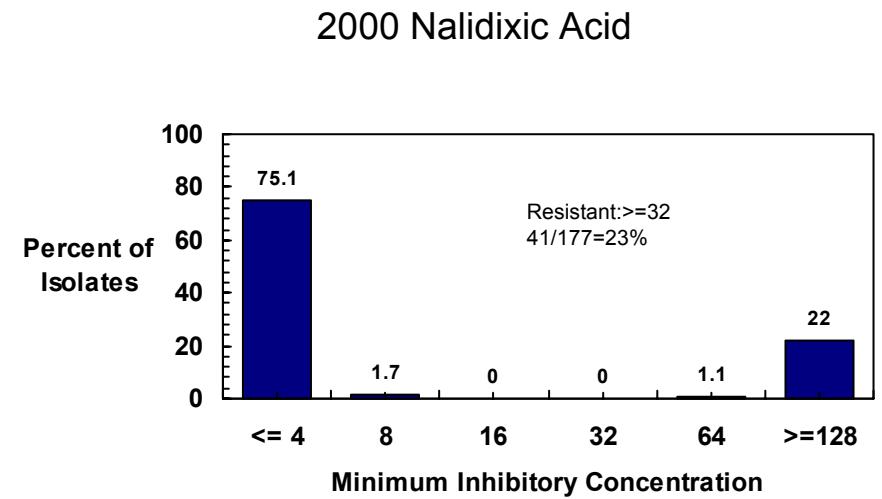
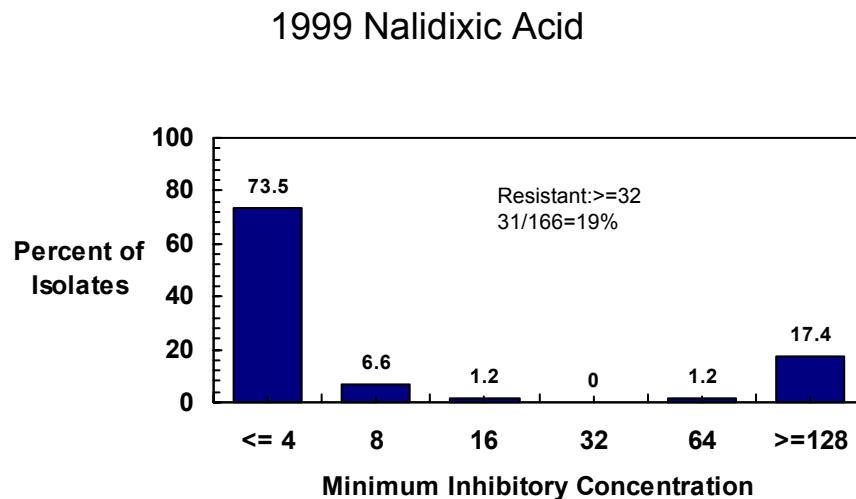
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 12f. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**



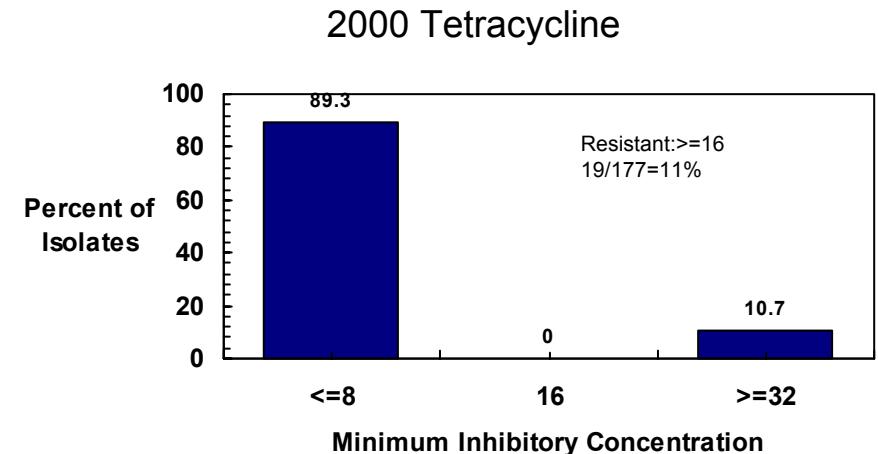
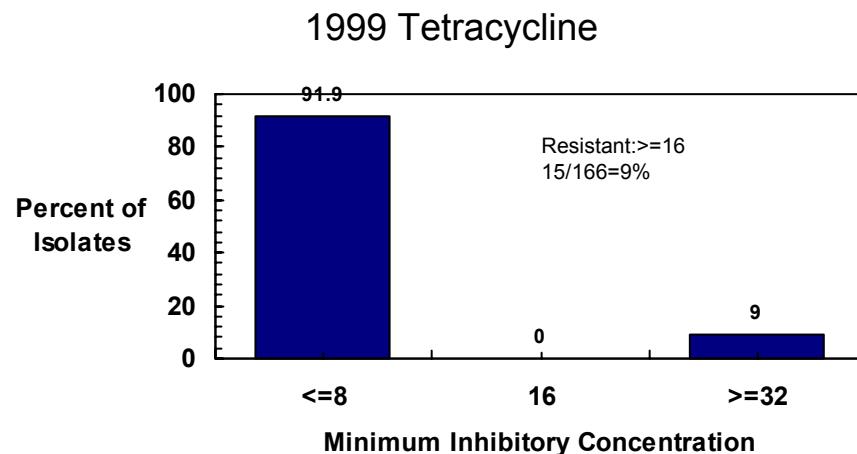
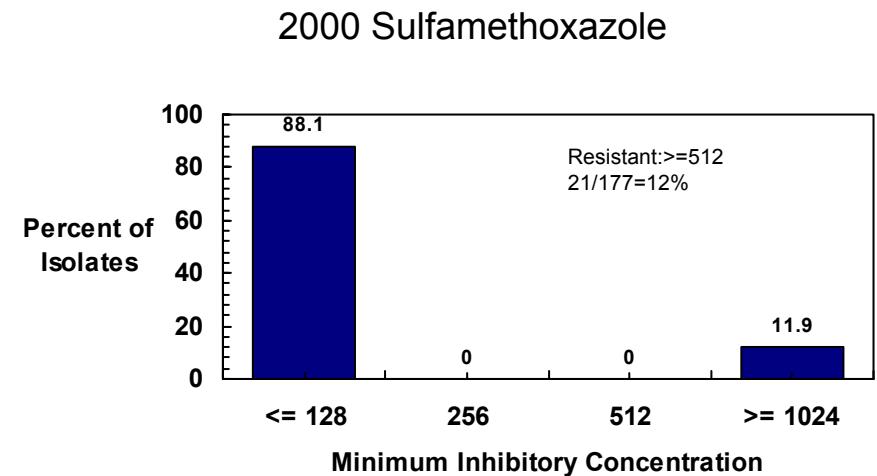
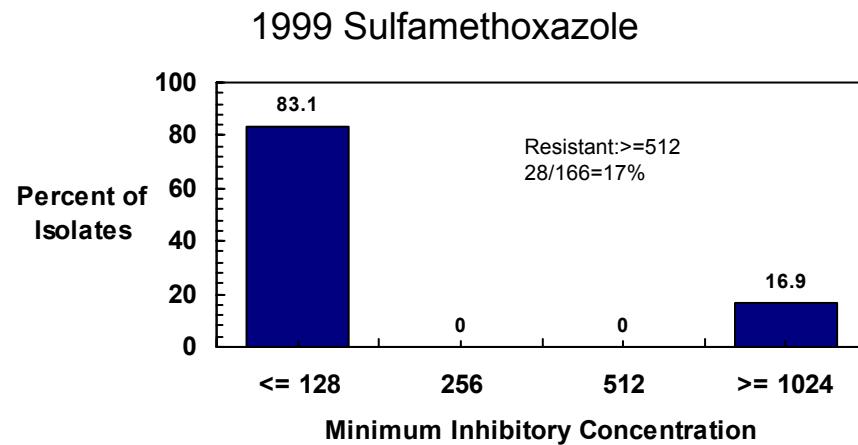
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 12g. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**



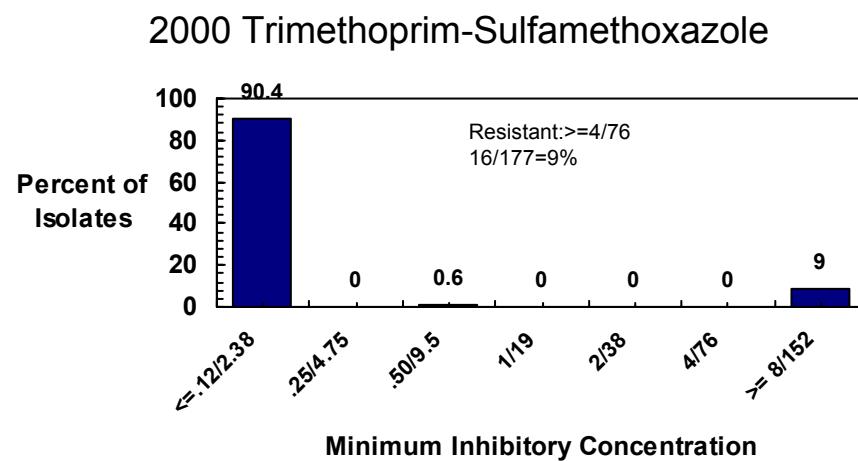
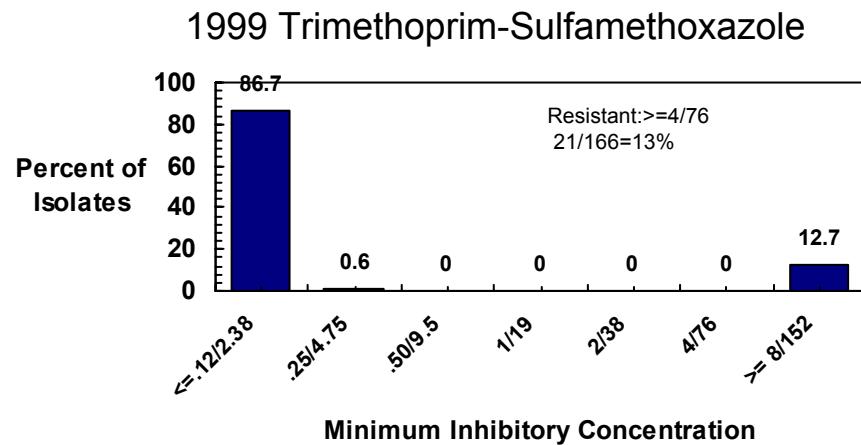
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 12h. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**



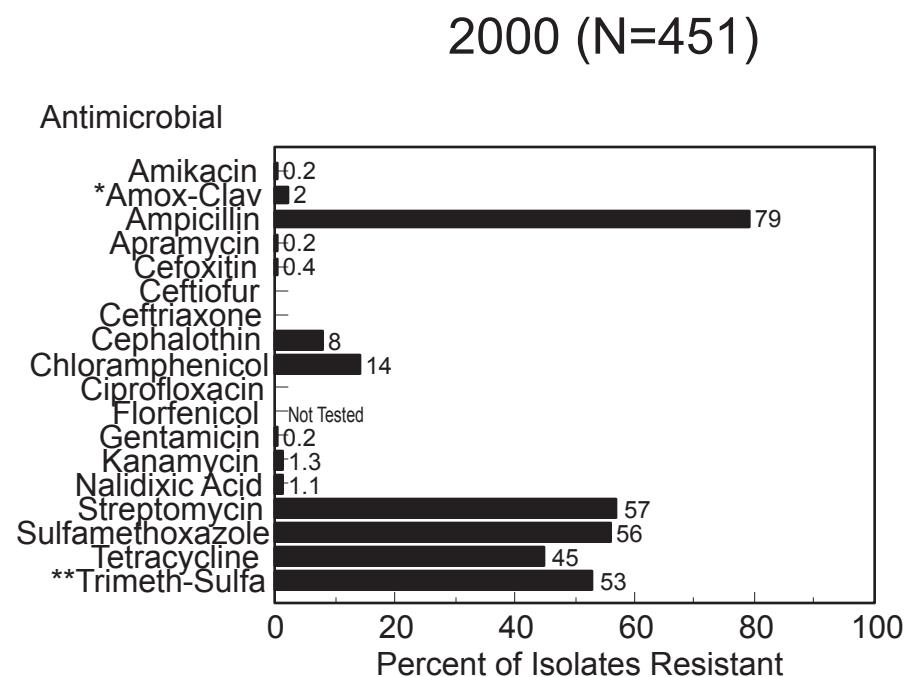
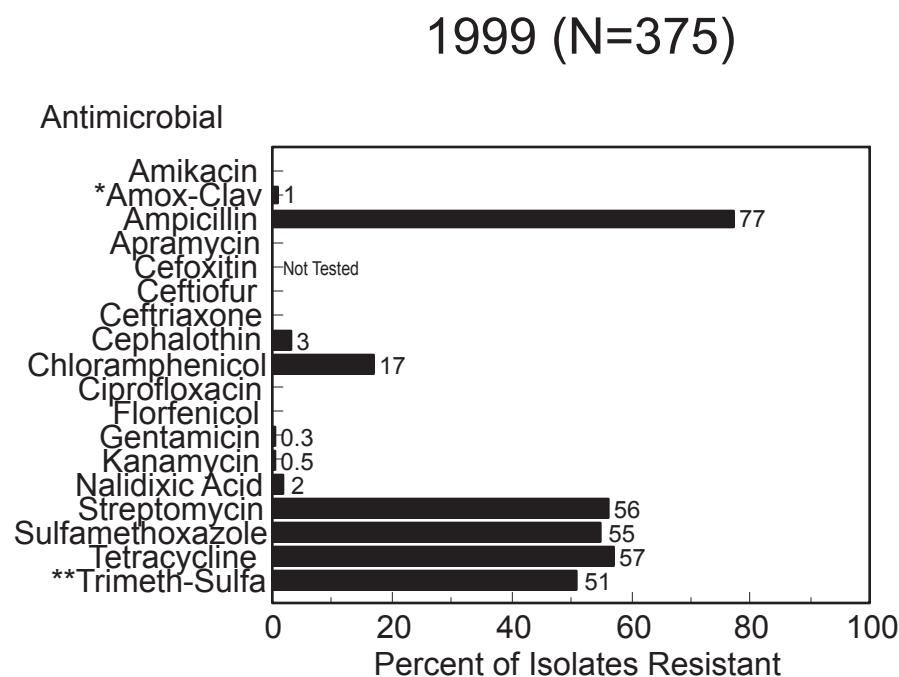
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 12i. MICs among *Salmonella* Typhi isolates, by antimicrobial agent, 1999 - 2000**



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 13. Resistance among *Shigella* isolates, 1999 - 2000

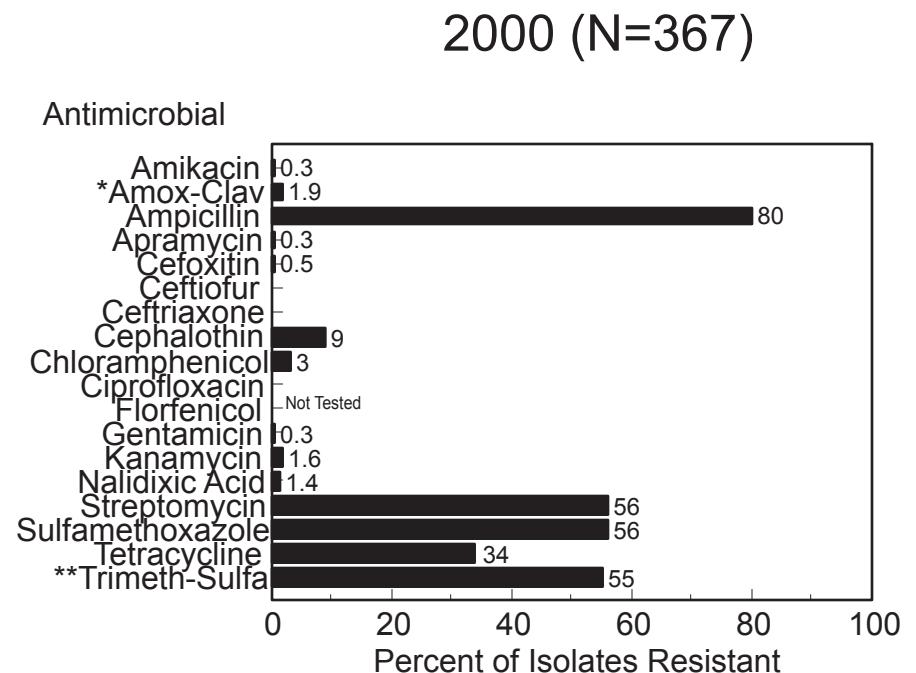
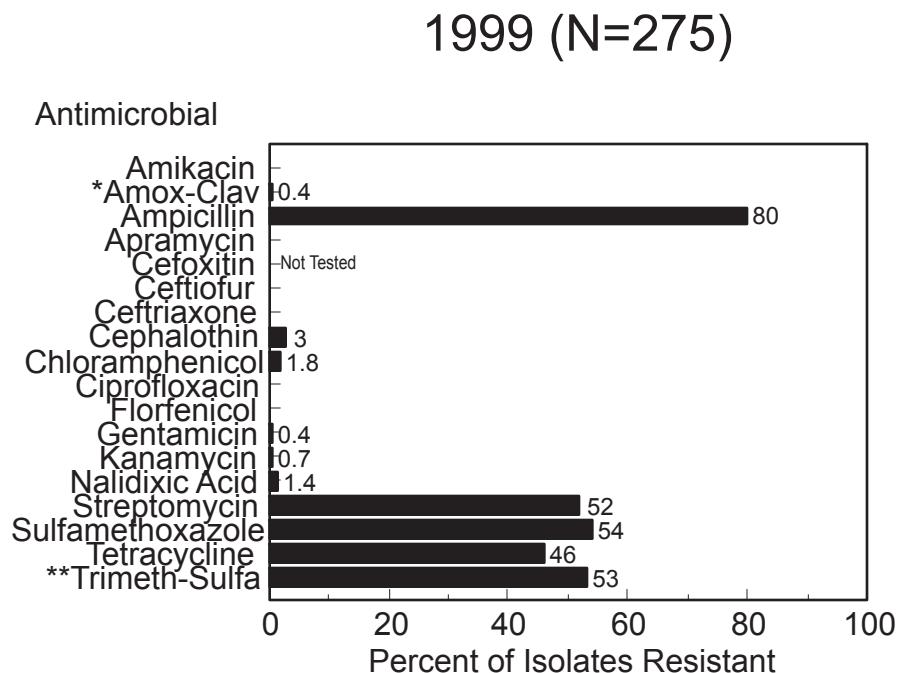


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 14a. Resistance among *Shigella sonnei*, 1999 - 2000**

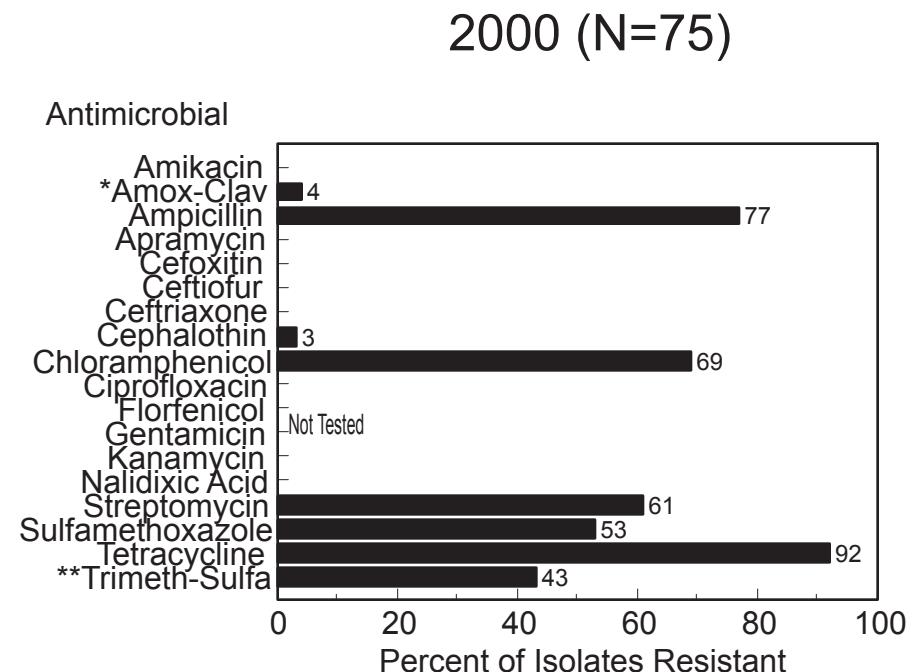
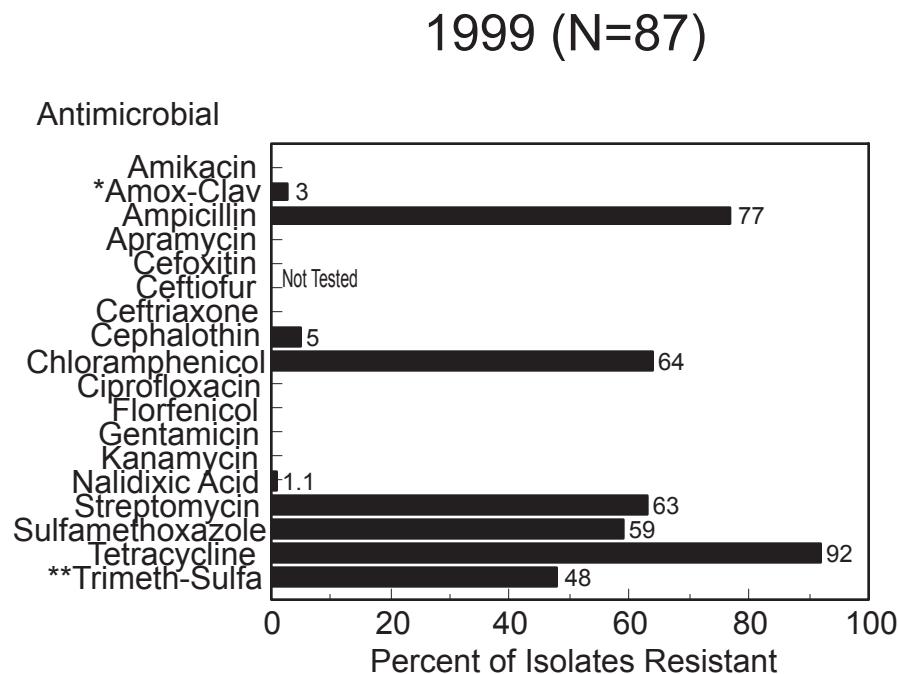


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 14b. Resistance among *Shigella flexneri* isolates, 1999 - 2000**

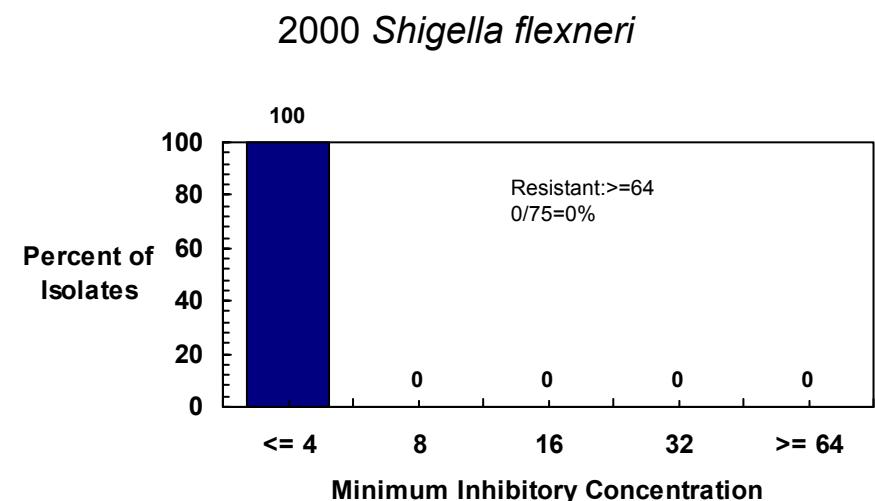
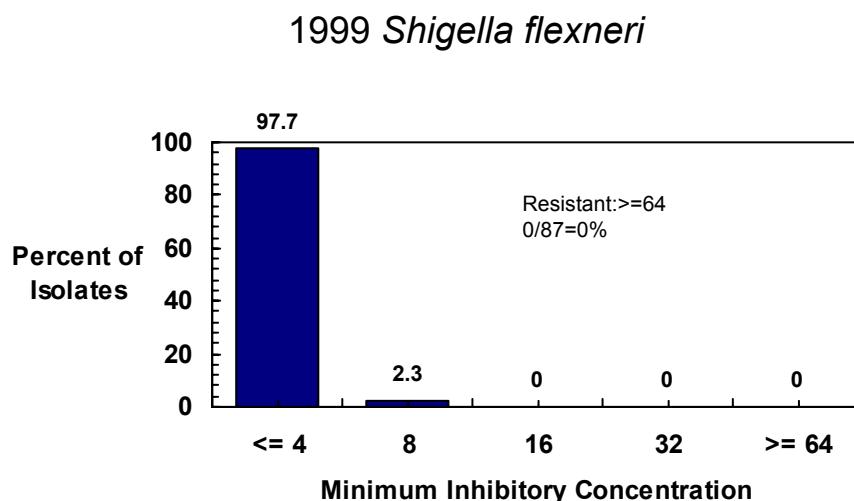
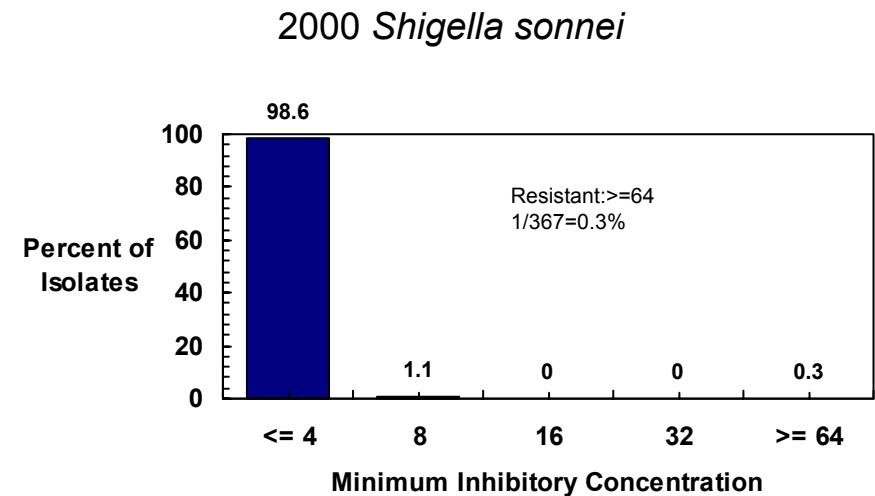
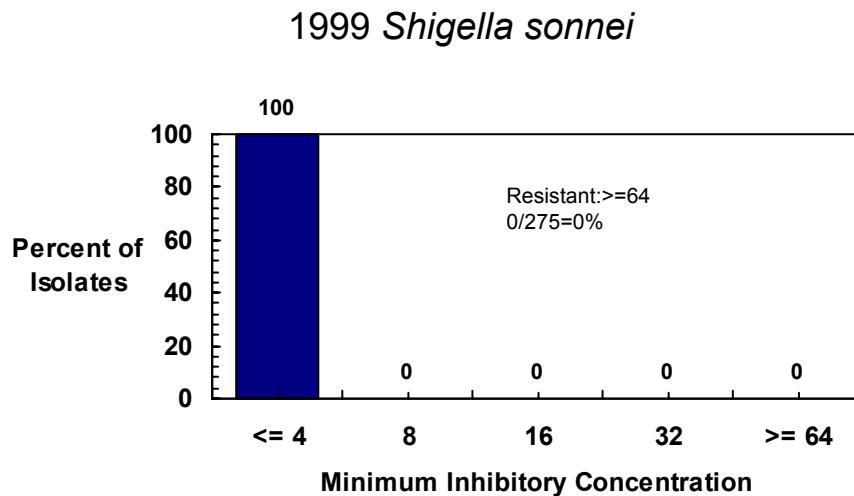


\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

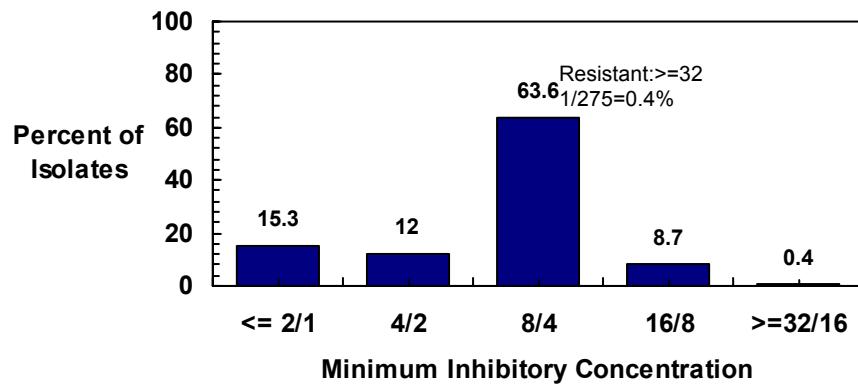
**Figure 15a. MICs for amikacin among *Shigella* isolates, by species, 1999 - 2000**



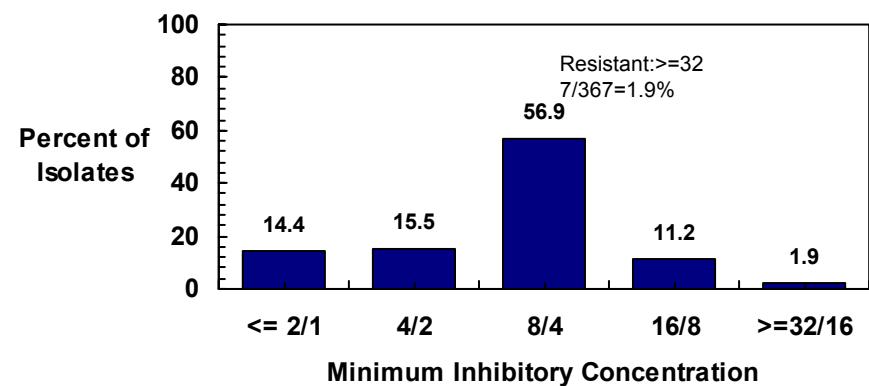
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15b. MICs for amoxicillin-clavulanic acid among *Shigella* isolates, by species, 1999 - 2000**

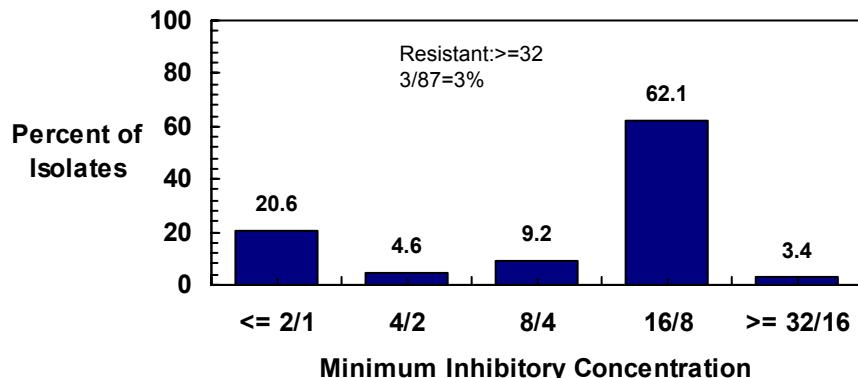
1999 *Shigella sonnei*



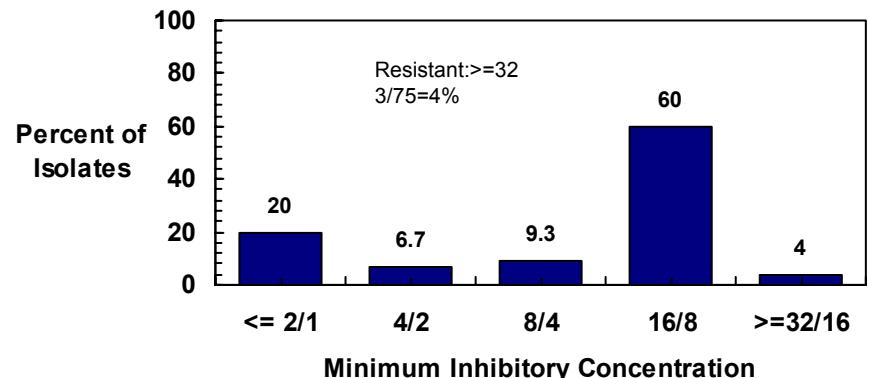
2000 *Shigella sonnei*



1999 *Shigella flexneri*



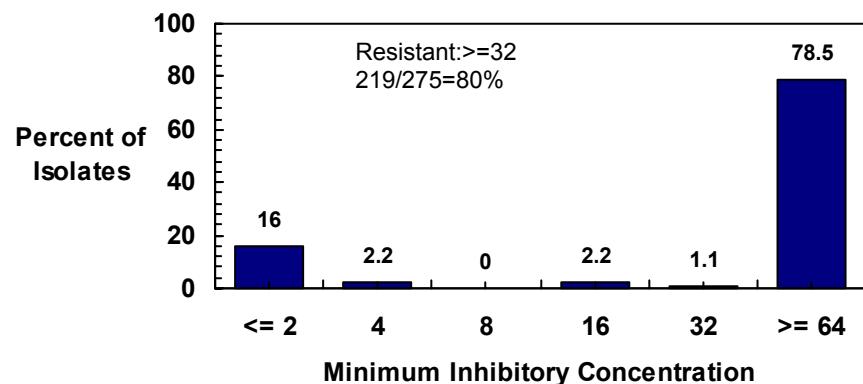
2000 *Shigella flexneri*



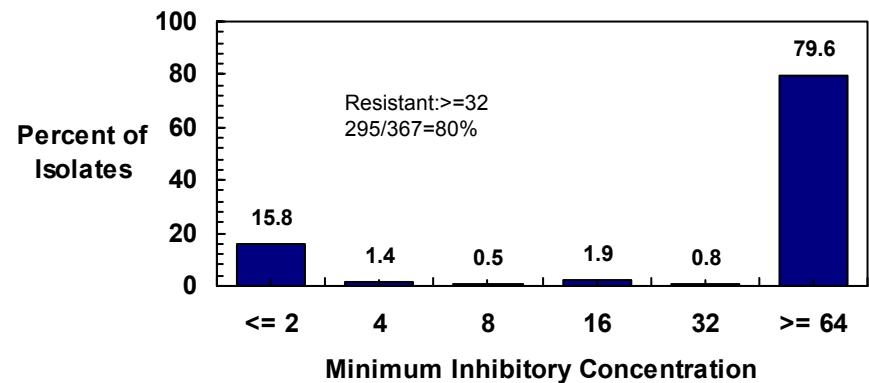
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15c. MICs for ampicillin among *Shigella* isolates, by species, 1999 - 2000**

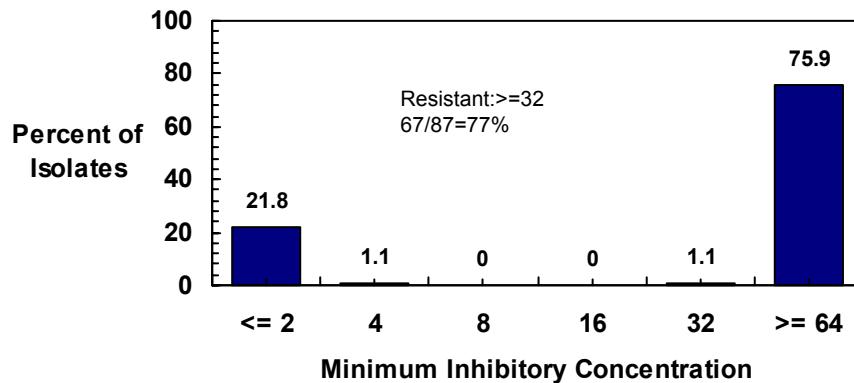
1999 *Shigella sonnei*



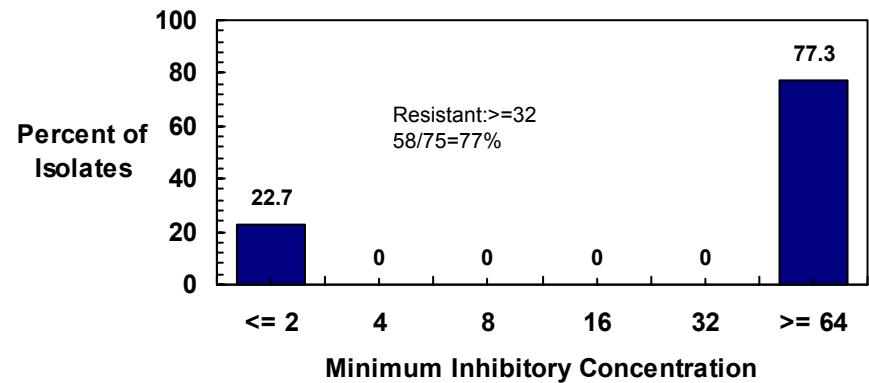
2000 *Shigella sonnei*



1999 *Shigella flexneri*

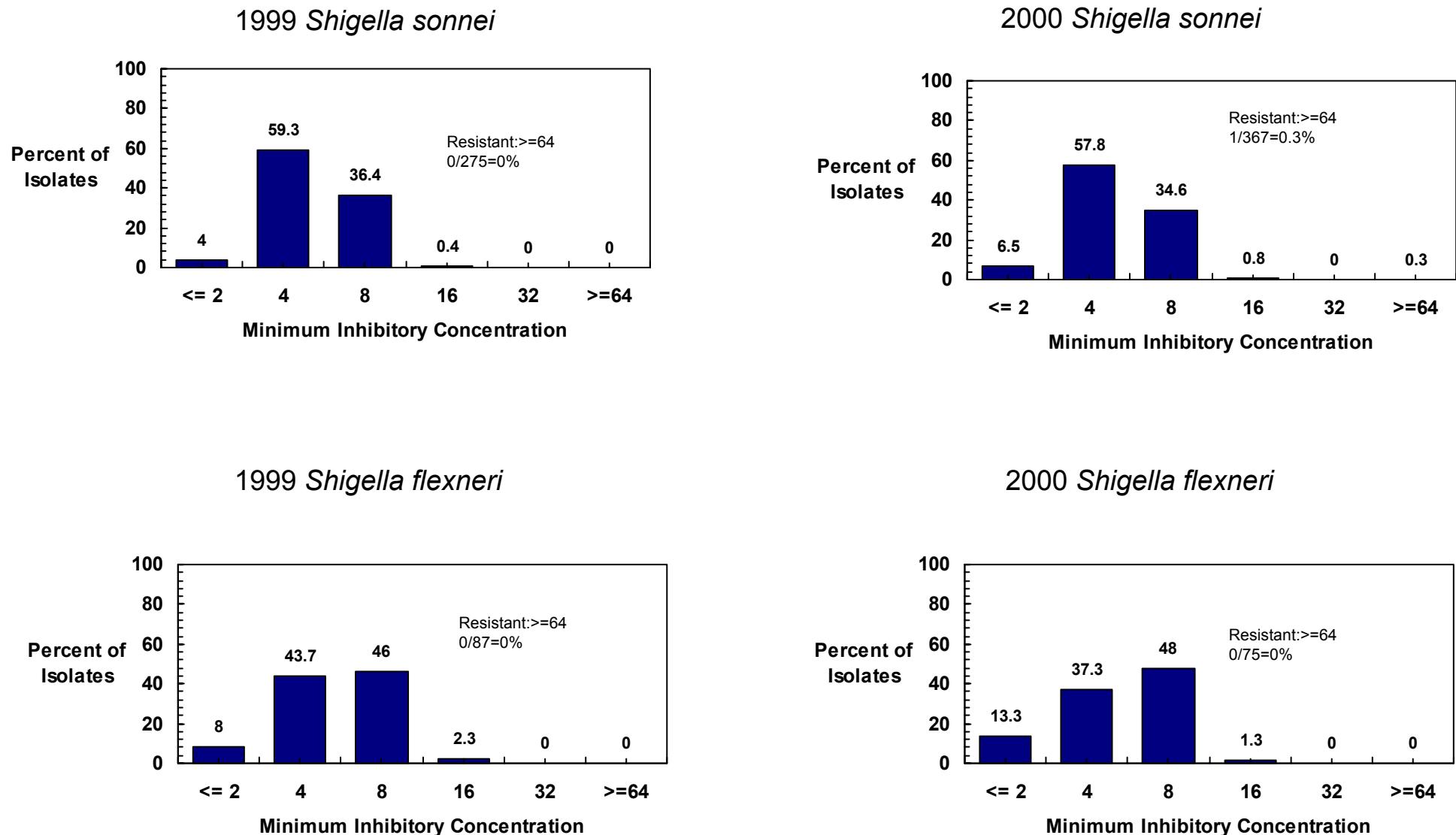


2000 *Shigella flexneri*



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

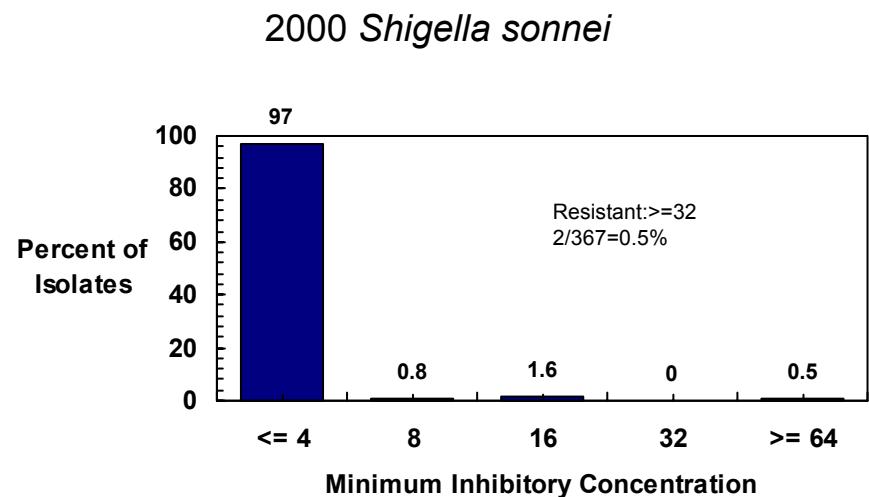
Figure 15d. MICs for apramycin among *Shigella* isolates, by species, 1999 - 2000



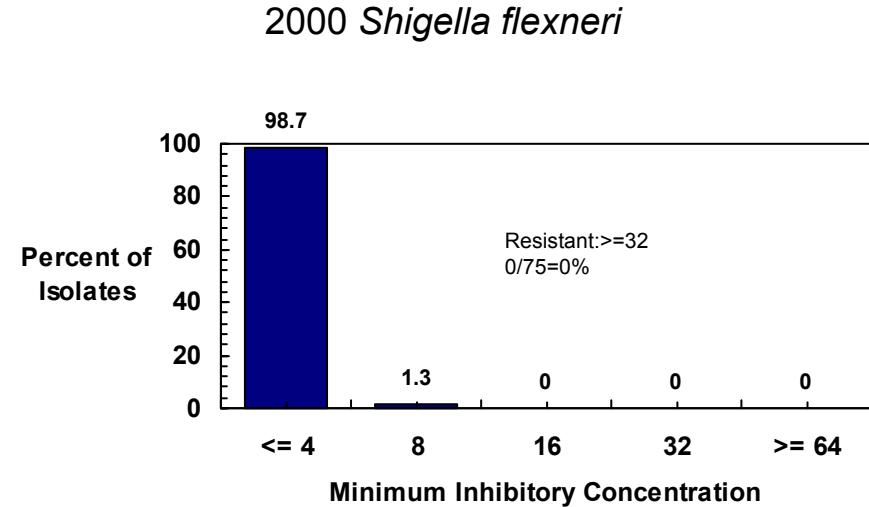
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15e. MICs for cefoxitin among *Shigella* isolates, by species, 1999 - 2000**

Not tested in 1999



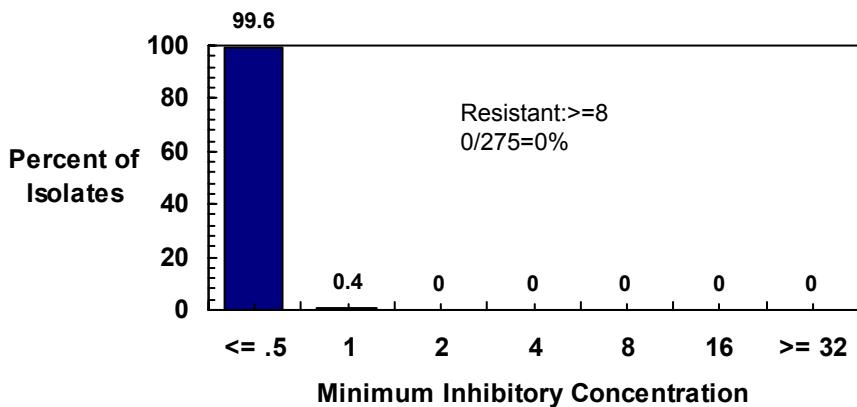
Not tested in 1999



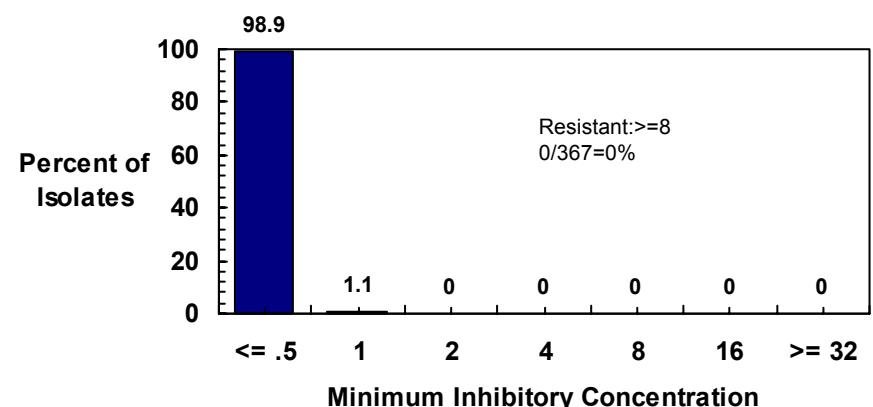
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15f. MICs for ceftiofur among *Shigella* isolates, by species, 1999 - 2000**

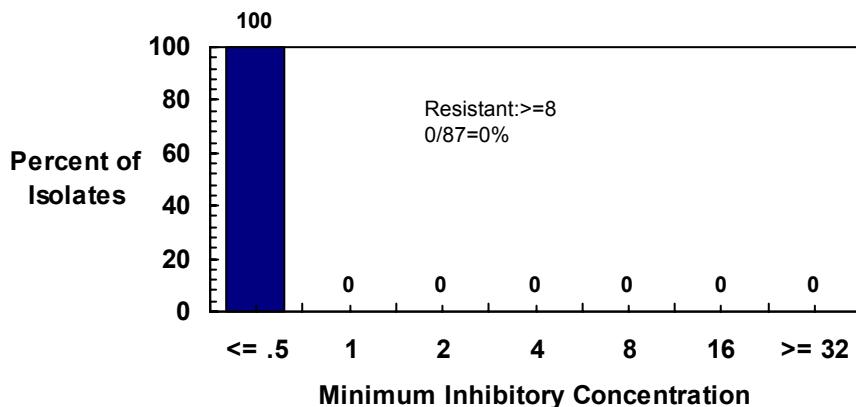
1999 *Shigella sonnei*



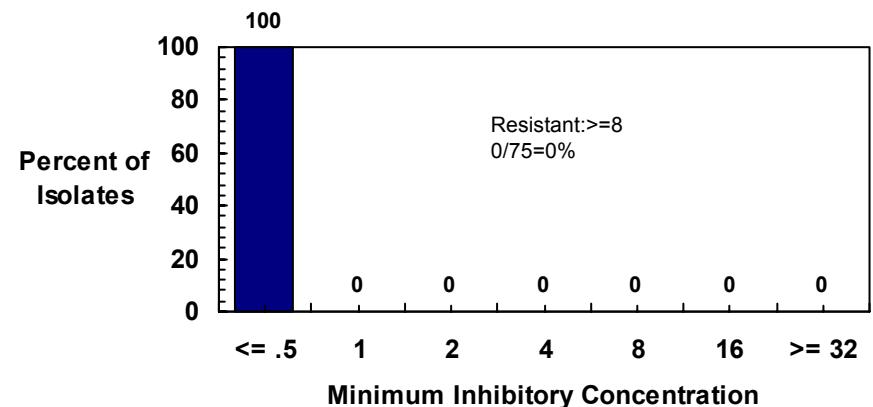
2000 *Shigella sonnei*



1999 *Shigella flexneri*

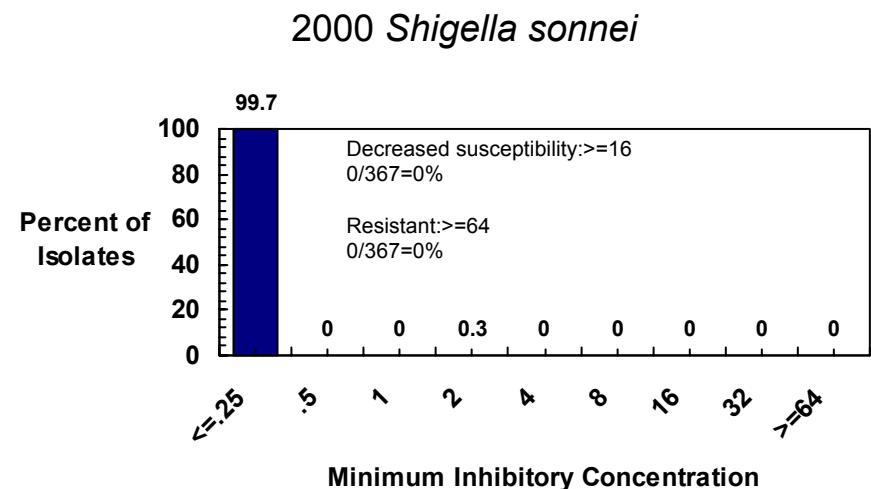
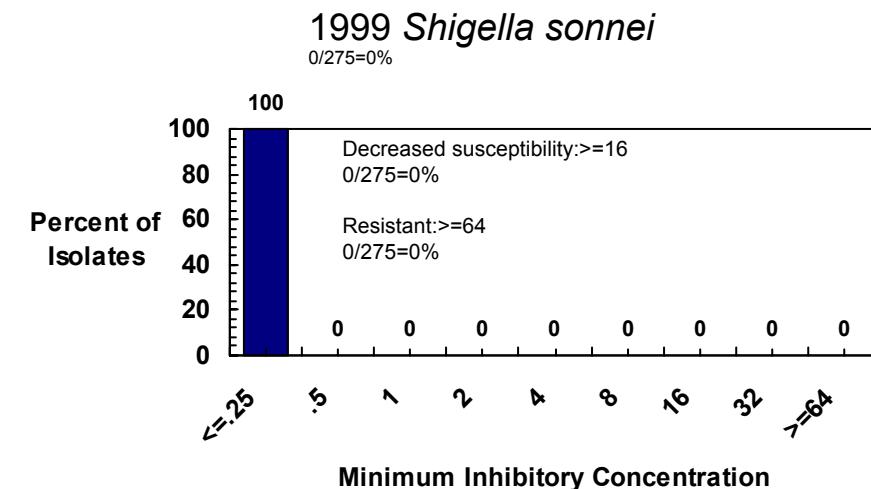


2000 *Shigella flexneri*

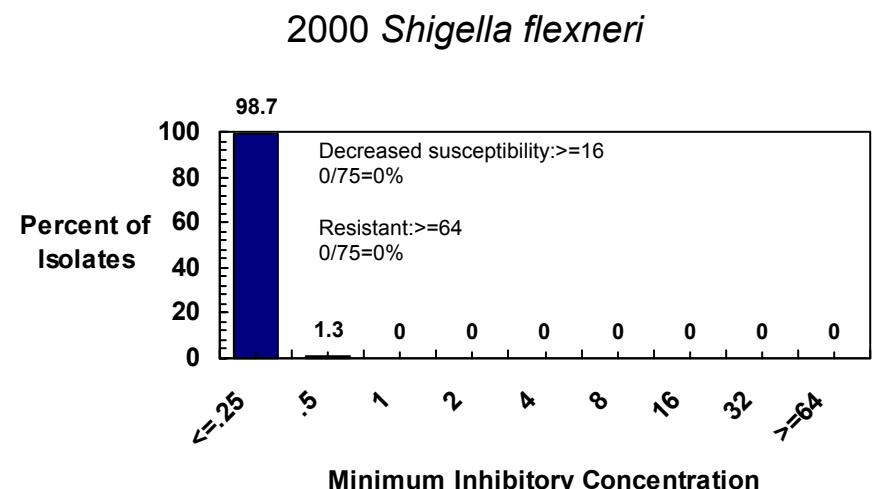
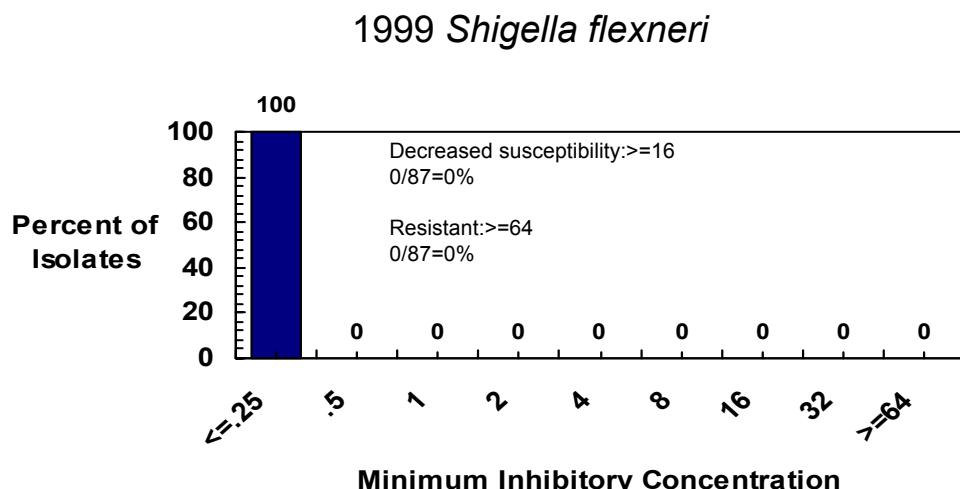


# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15g. MICs for ceftriaxone\* among *Shigella* isolates, by species, 1999 - 2000**



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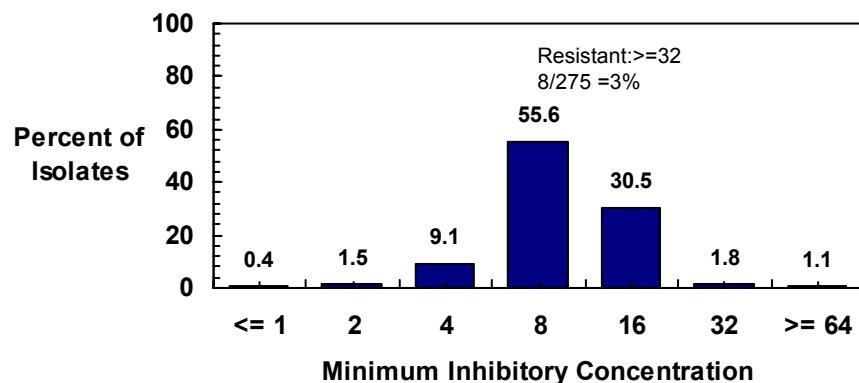


\* Sensititre results only, isolates with decreased susceptibility are also tested by E-test

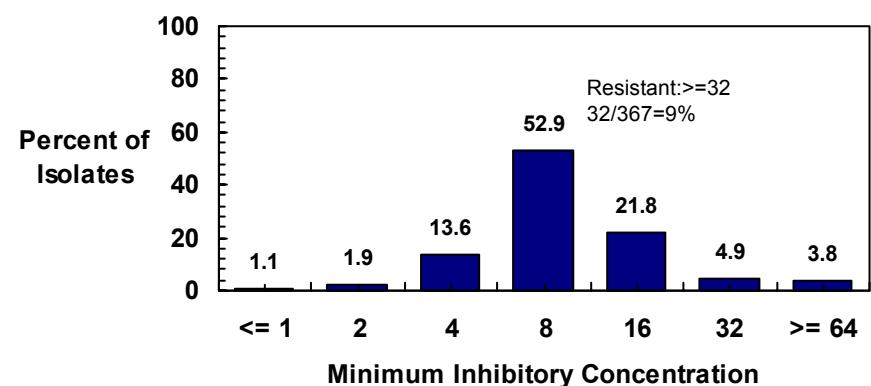
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15h. MICs for cephalothin among *Shigella* isolates, by species, 1999 - 2000**

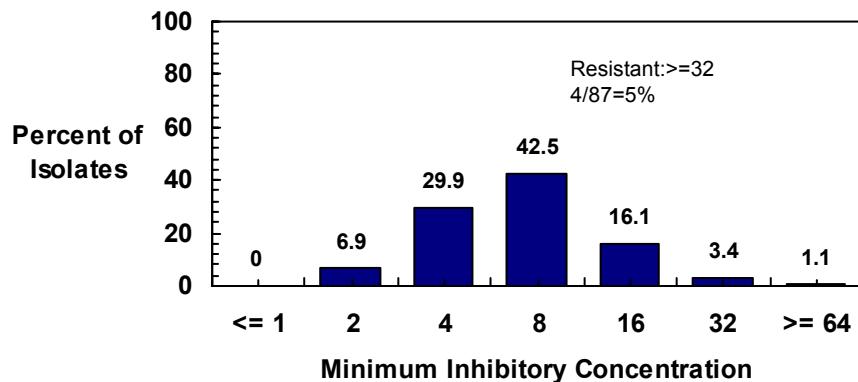
1999 *Shigella sonnei*



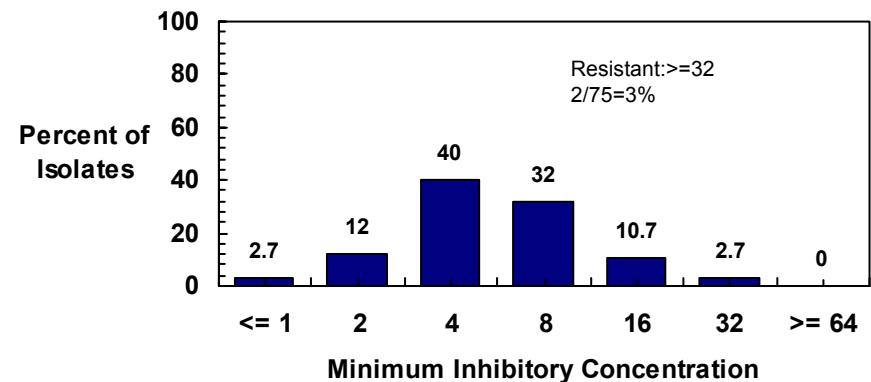
2000 *Shigella sonnei*



1999 *Shigella flexneri*



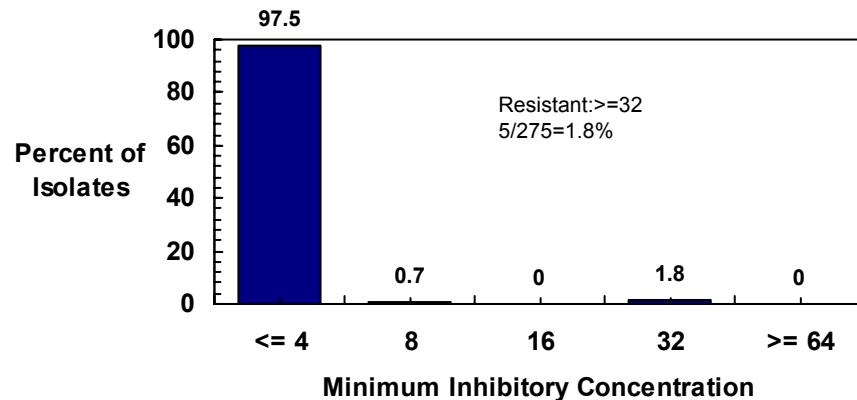
2000 *Shigella flexneri*



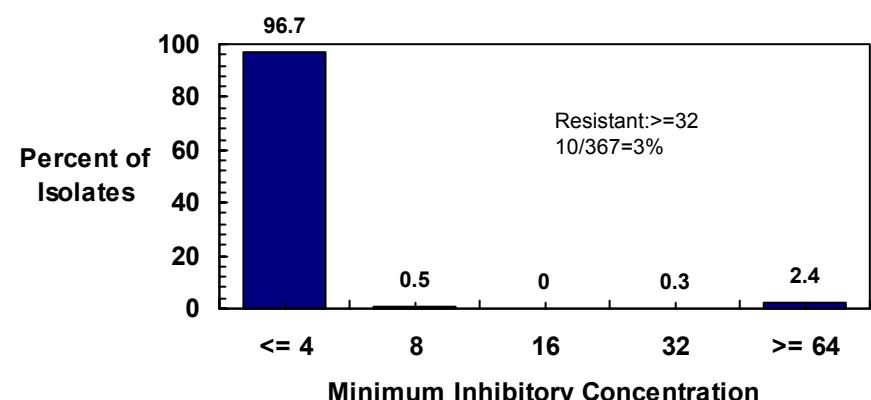
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 15i. MICs for chloramphenicol among *Shigella* isolates, by species, 1999 - 2000

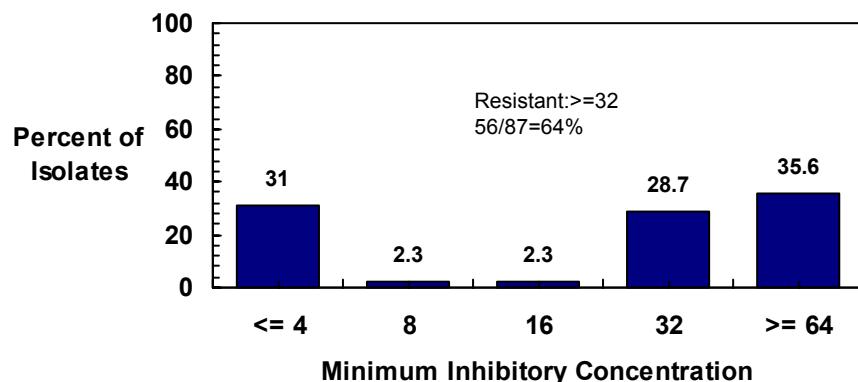
1999 *Shigella sonnei*



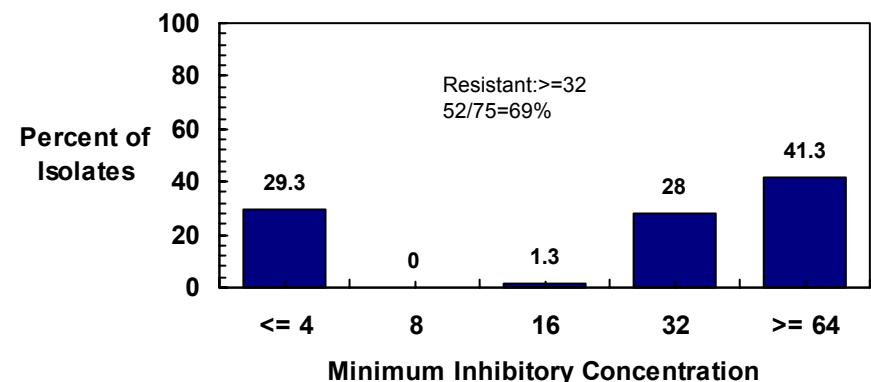
2000 *Shigella sonnei*



1999 *Shigella flexneri*

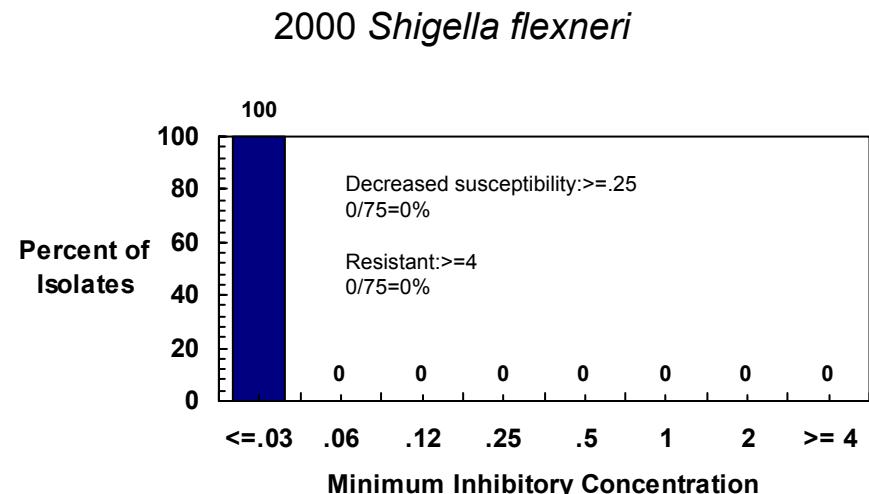
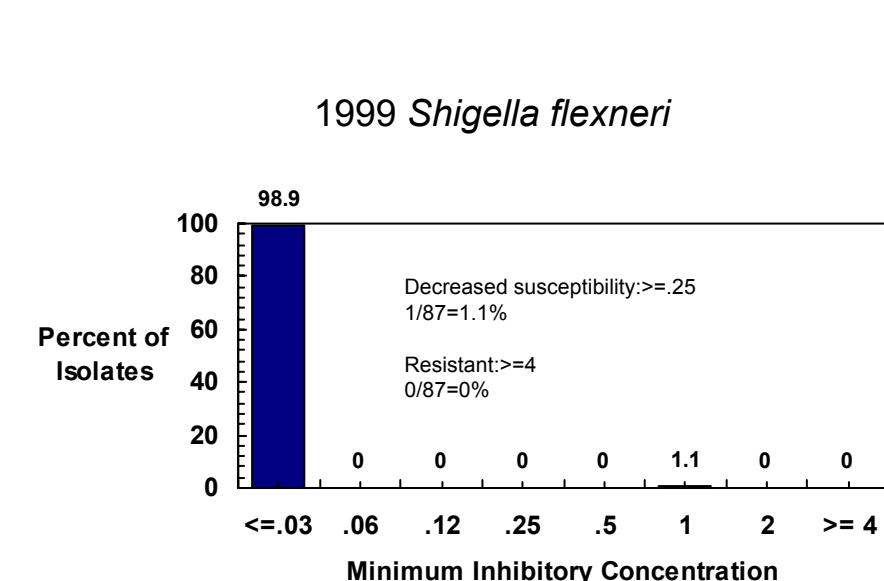
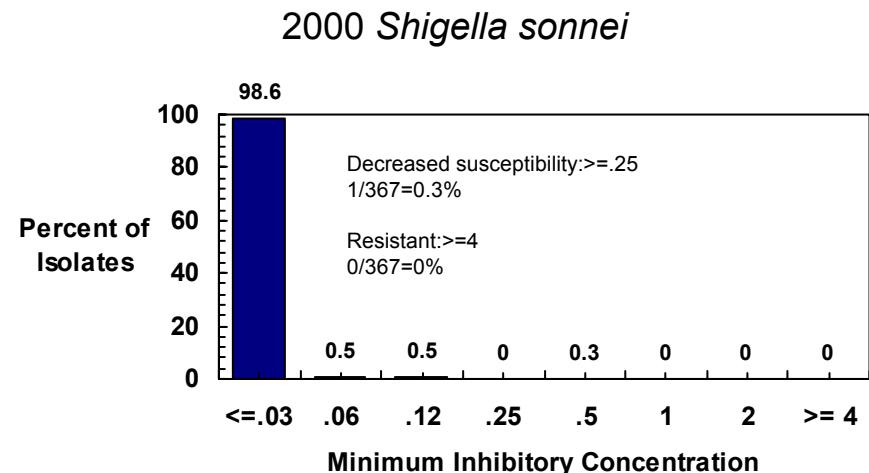
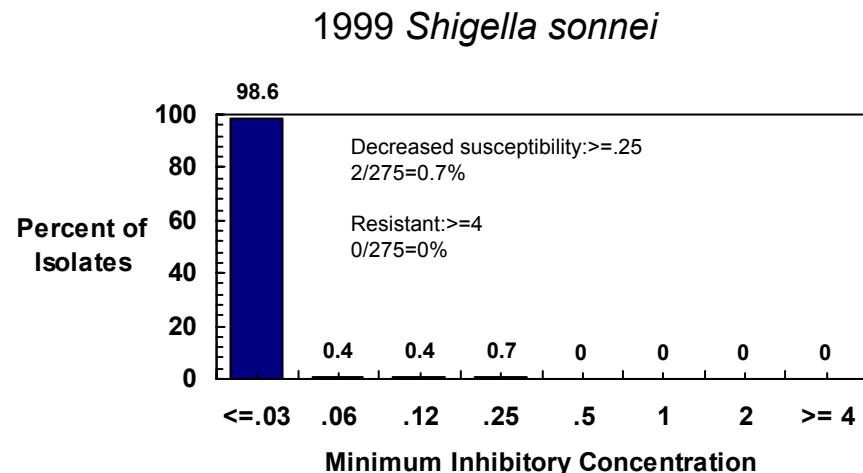


2000 *Shigella flexneri*



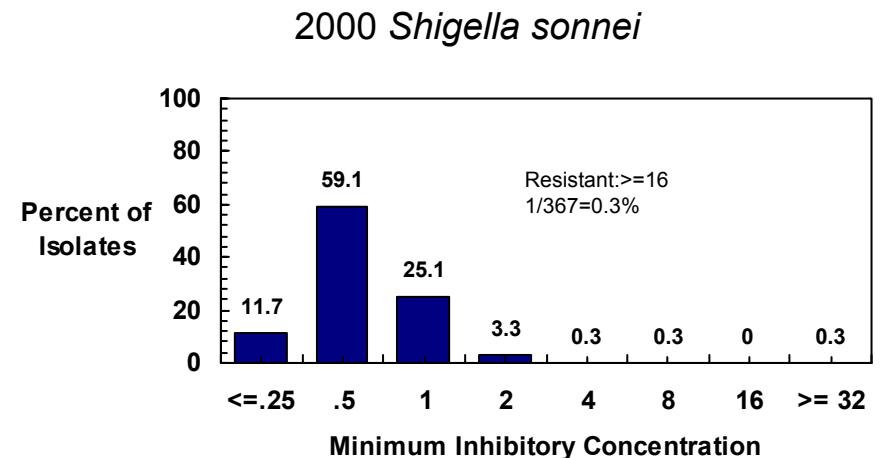
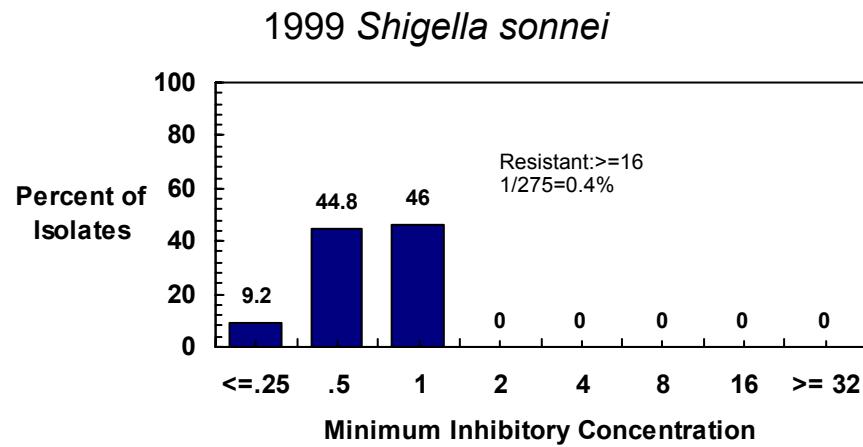
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15j. MICs for ciprofloxacin among *Shigella* isolates, by species, 1999 - 2000**

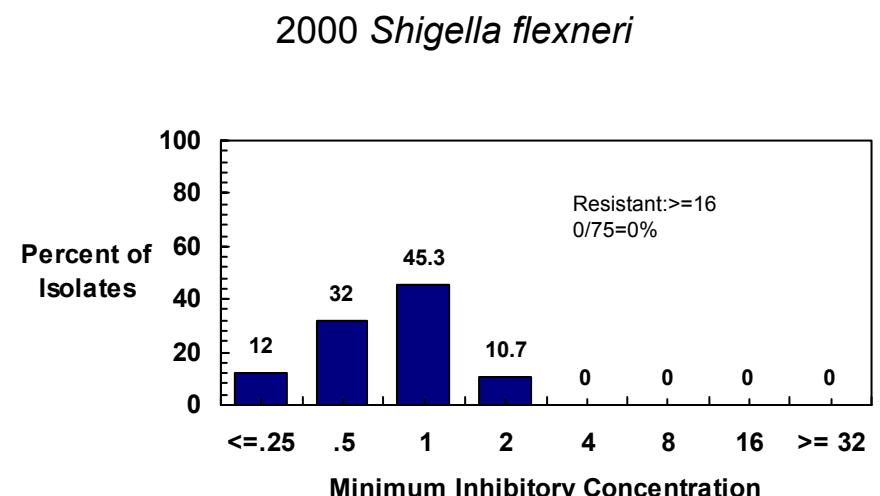
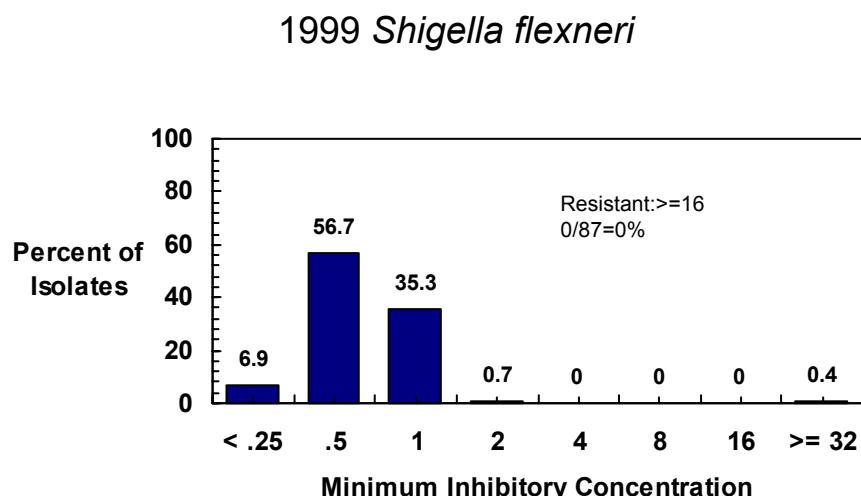


# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15k. MICs for gentamicin among *Shigella* isolates, by species, 1999 - 2000**

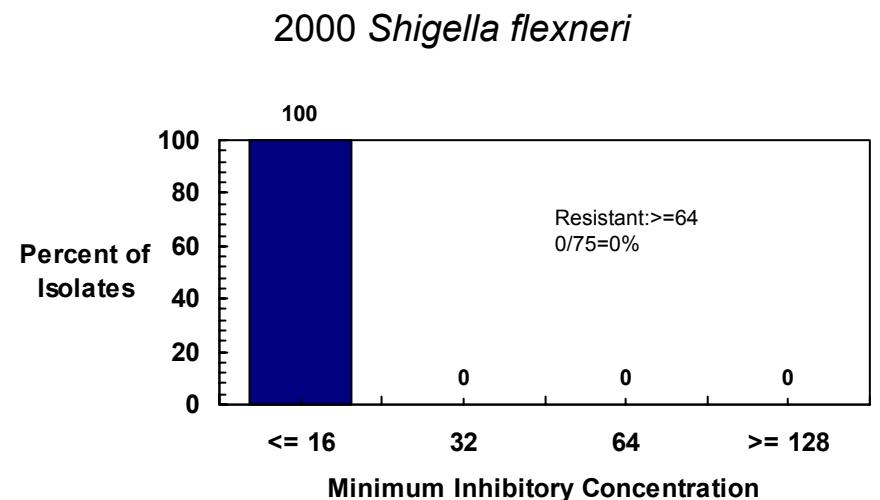
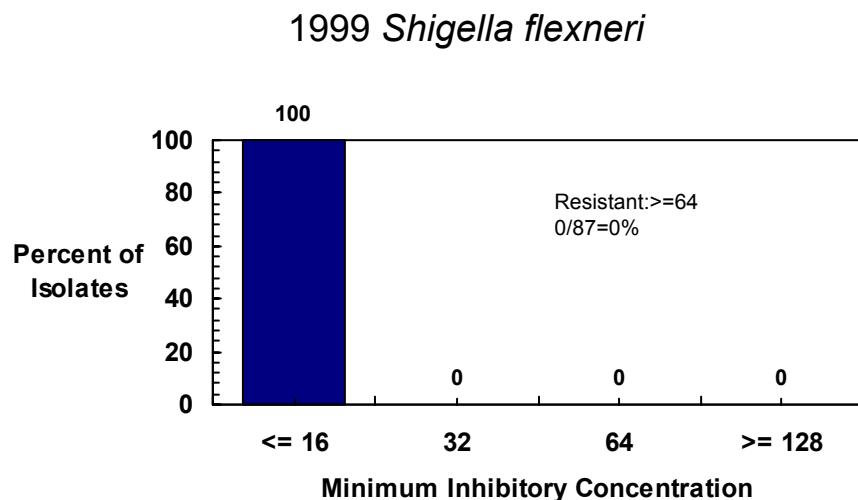
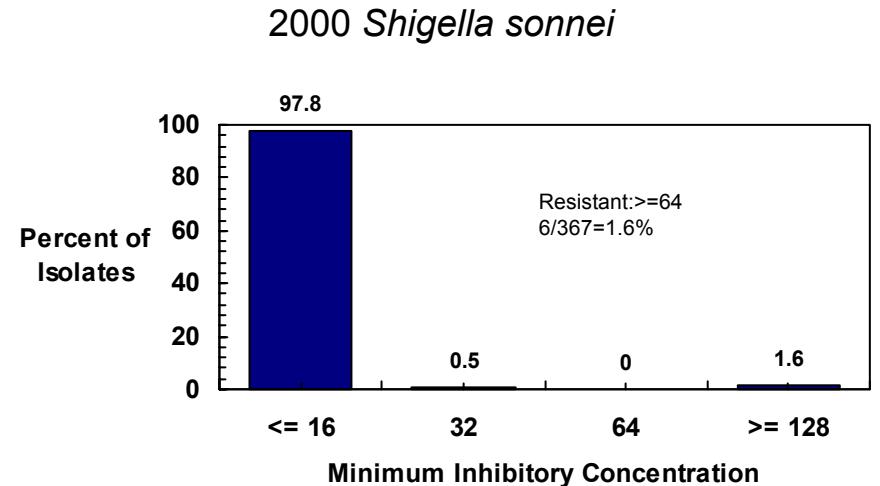
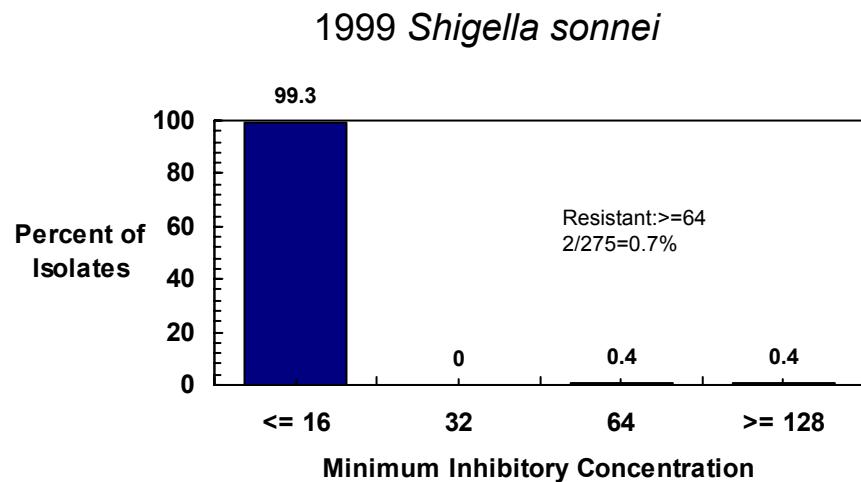


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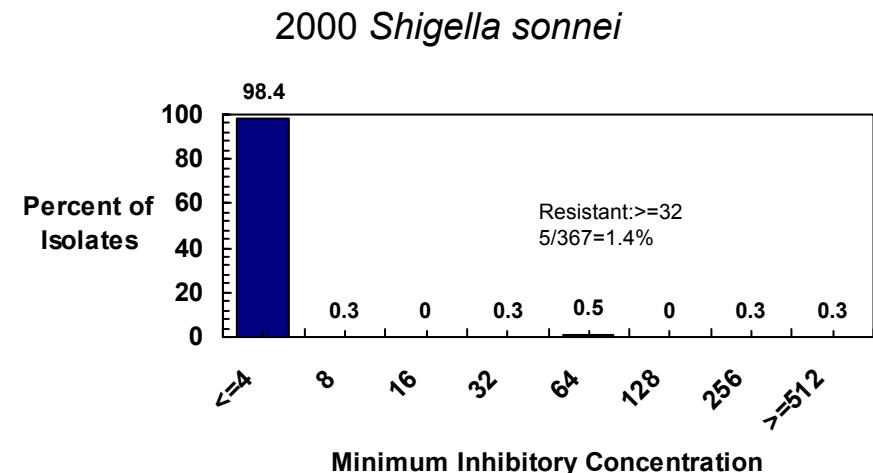
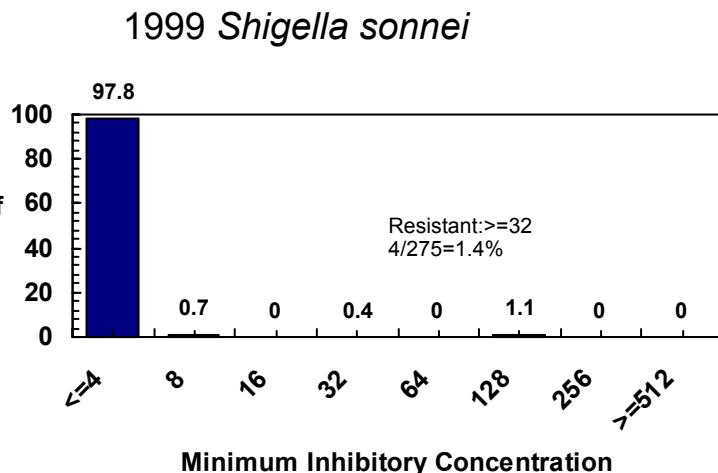
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15l. MICs for kanamycin among *Shigella* isolates, by species, 1999 - 2000**

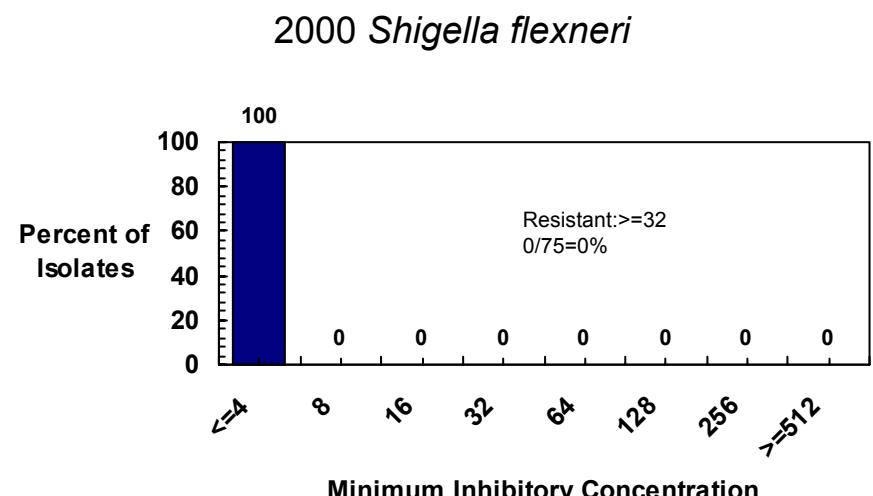
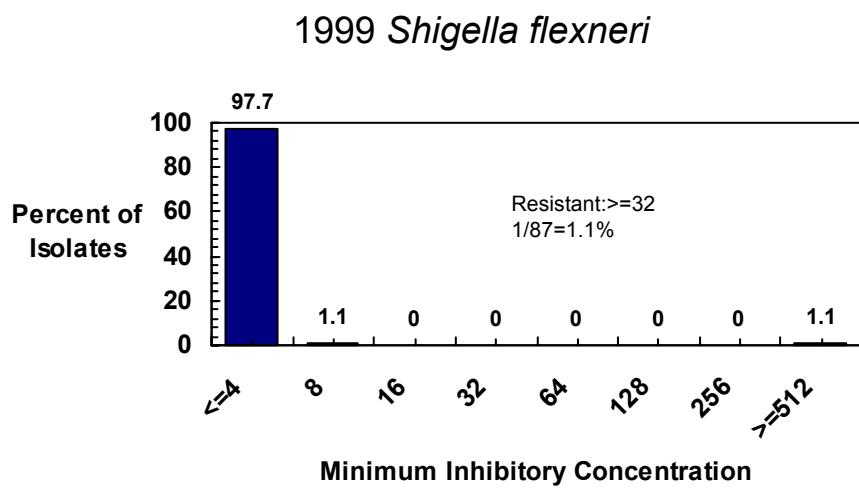


# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 15m. MICs for nalidixic acid among *Shigella* isolates, by species, 1999 - 2000



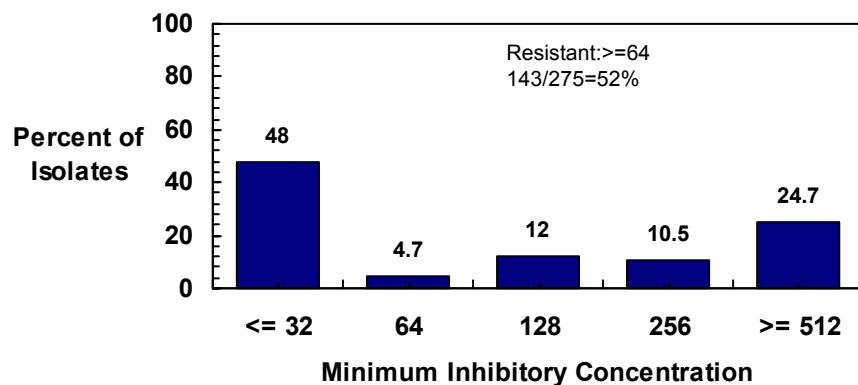
123



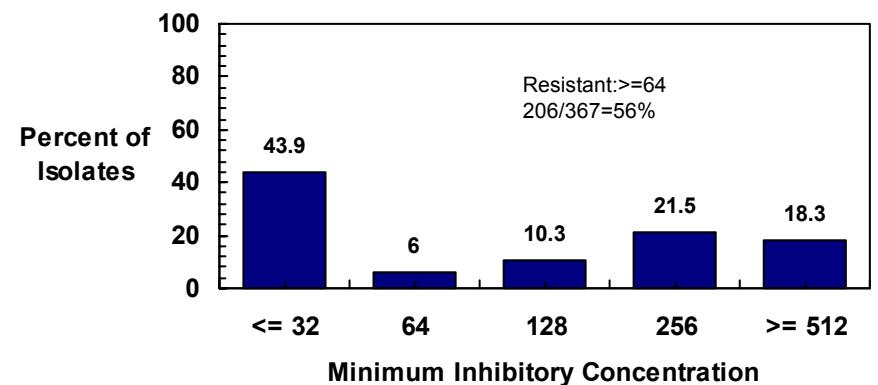
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15n. MICs for streptomycin among *Shigella* isolates, by species, 1999 - 2000**

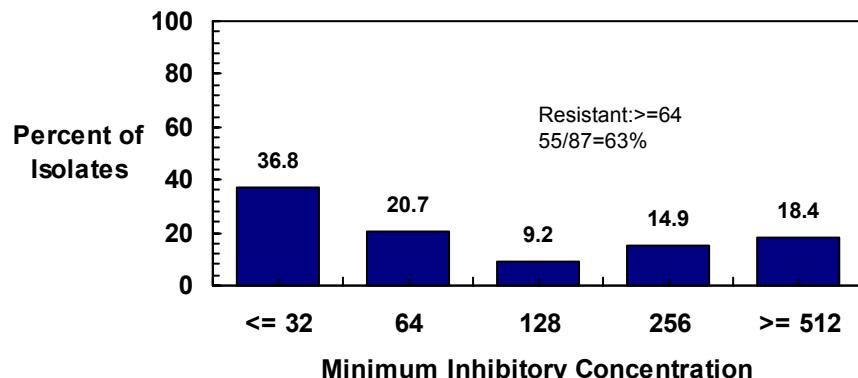
1999 *Shigella sonnei*



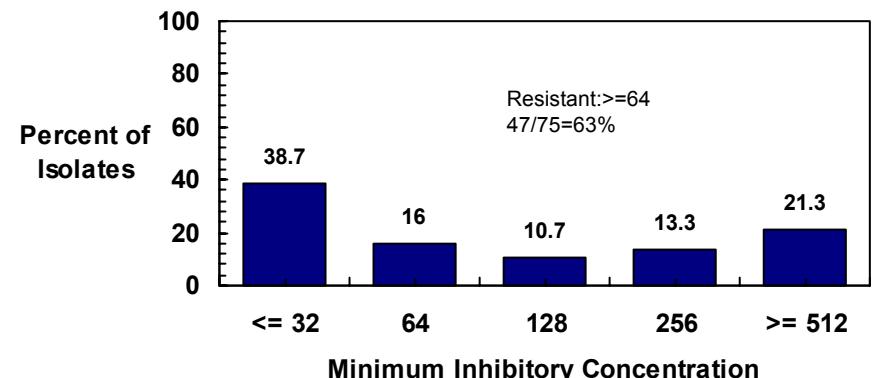
2000 *Shigella sonnei*



1999 *Shigella flexneri*



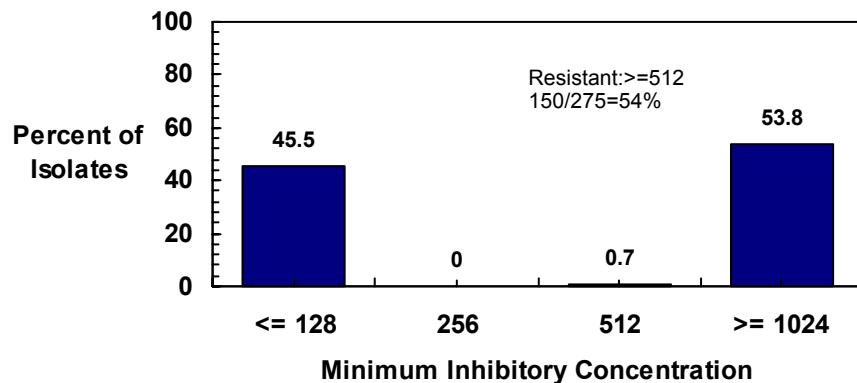
2000 *Shigella flexneri*



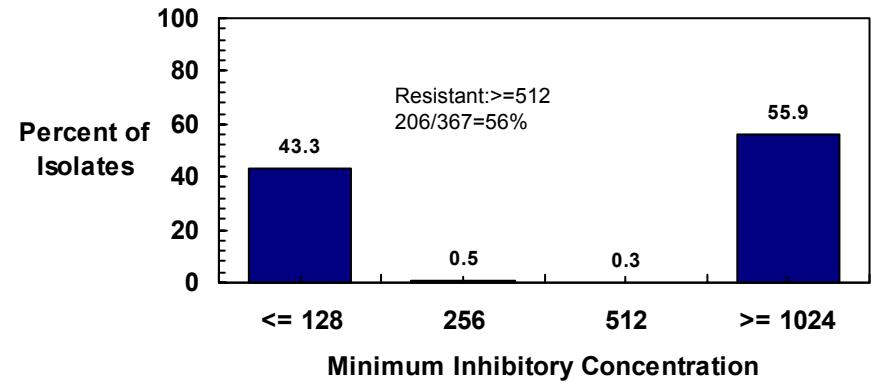
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 15o. MICs for sulfamethoxazole among *Shigella* isolates, by species, 1999 - 2000

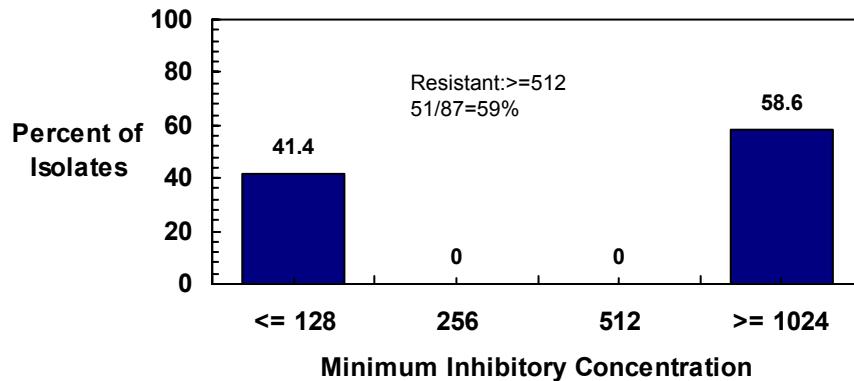
1999 *Shigella sonnei*



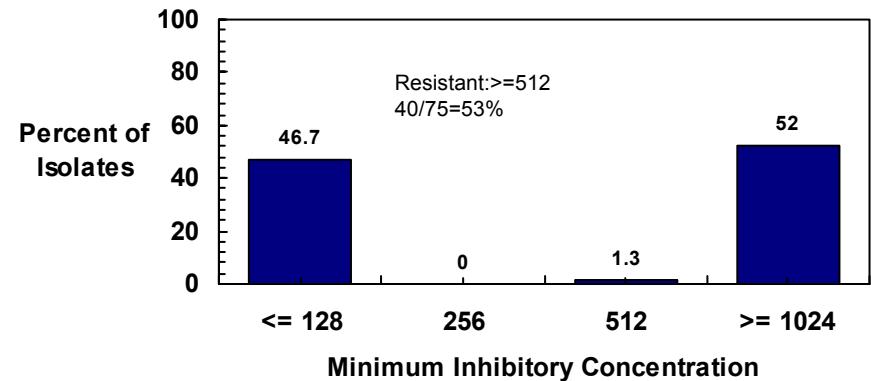
2000 *Shigella sonnei*



1999 *Shigella flexneri*



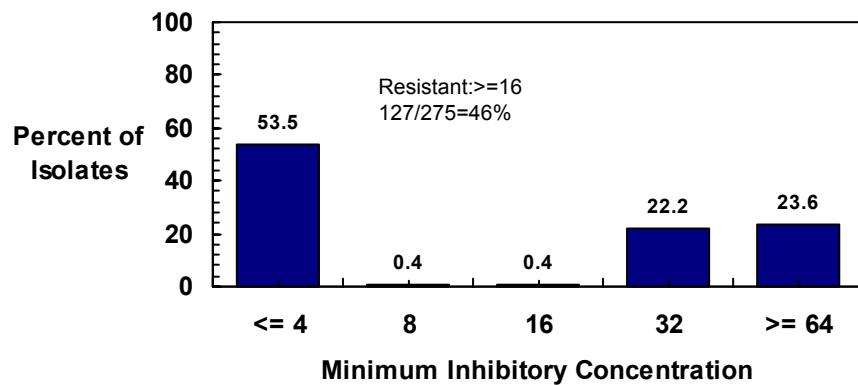
2000 *Shigella flexneri*



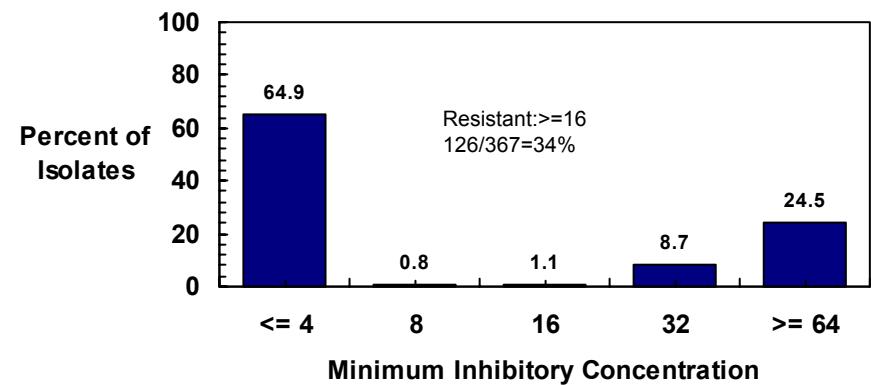
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 15p. MICs for tetracycline among *Shigella* isolates, by species, 1999 - 2000

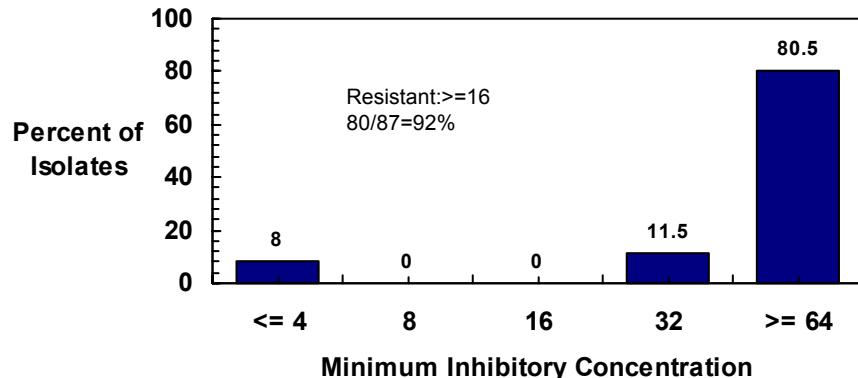
1999 *Shigella sonnei*



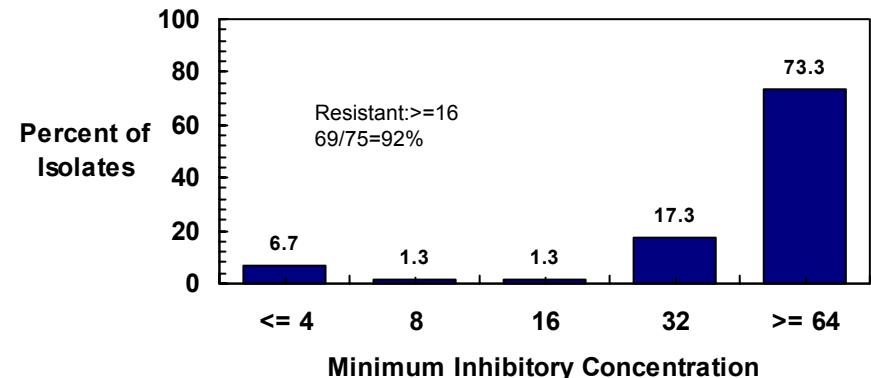
2000 *Shigella sonnei*



1999 *Shigella flexneri*

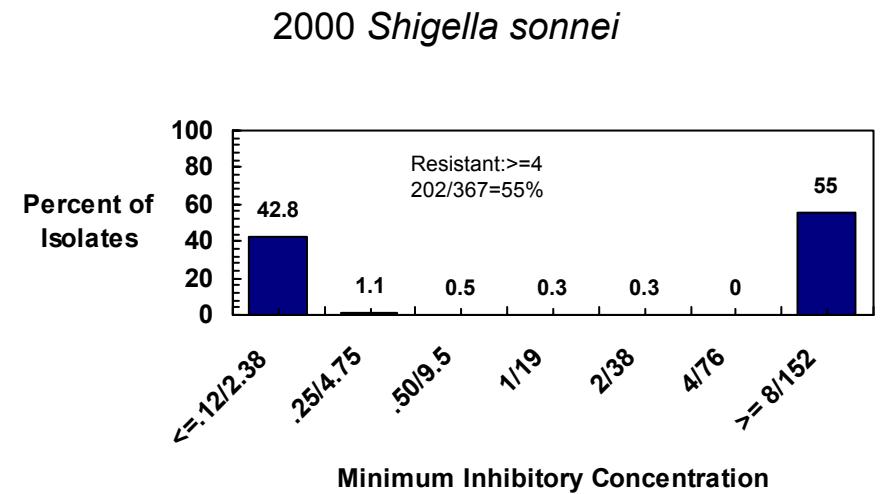
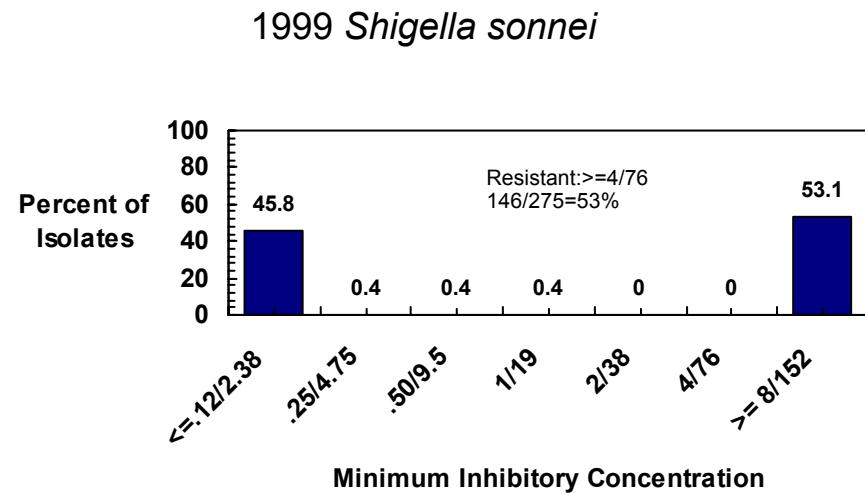


2000 *Shigella flexneri*

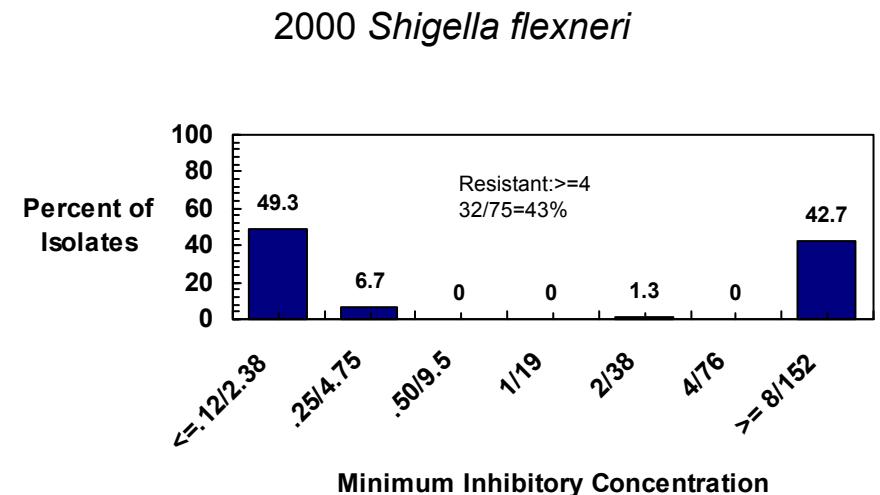
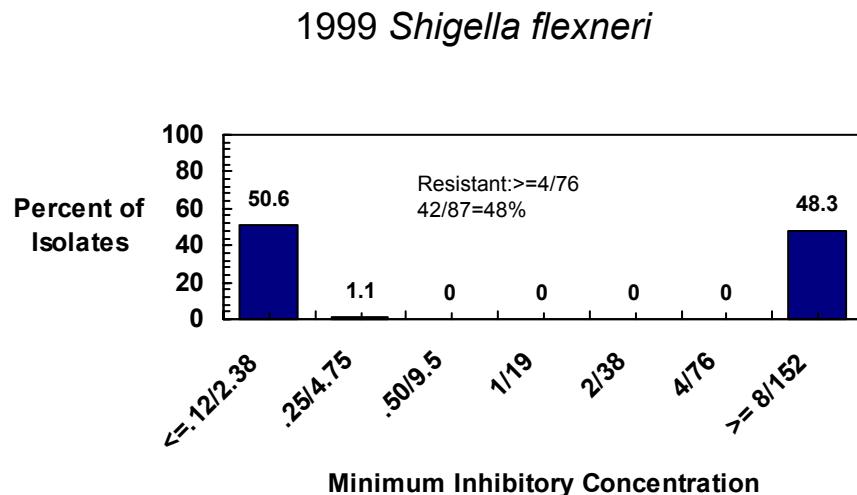


# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 15q. MICs for trimethoprim-sulfamethoxazole among *Shigella* isolates, by species, 1999 - 2000**

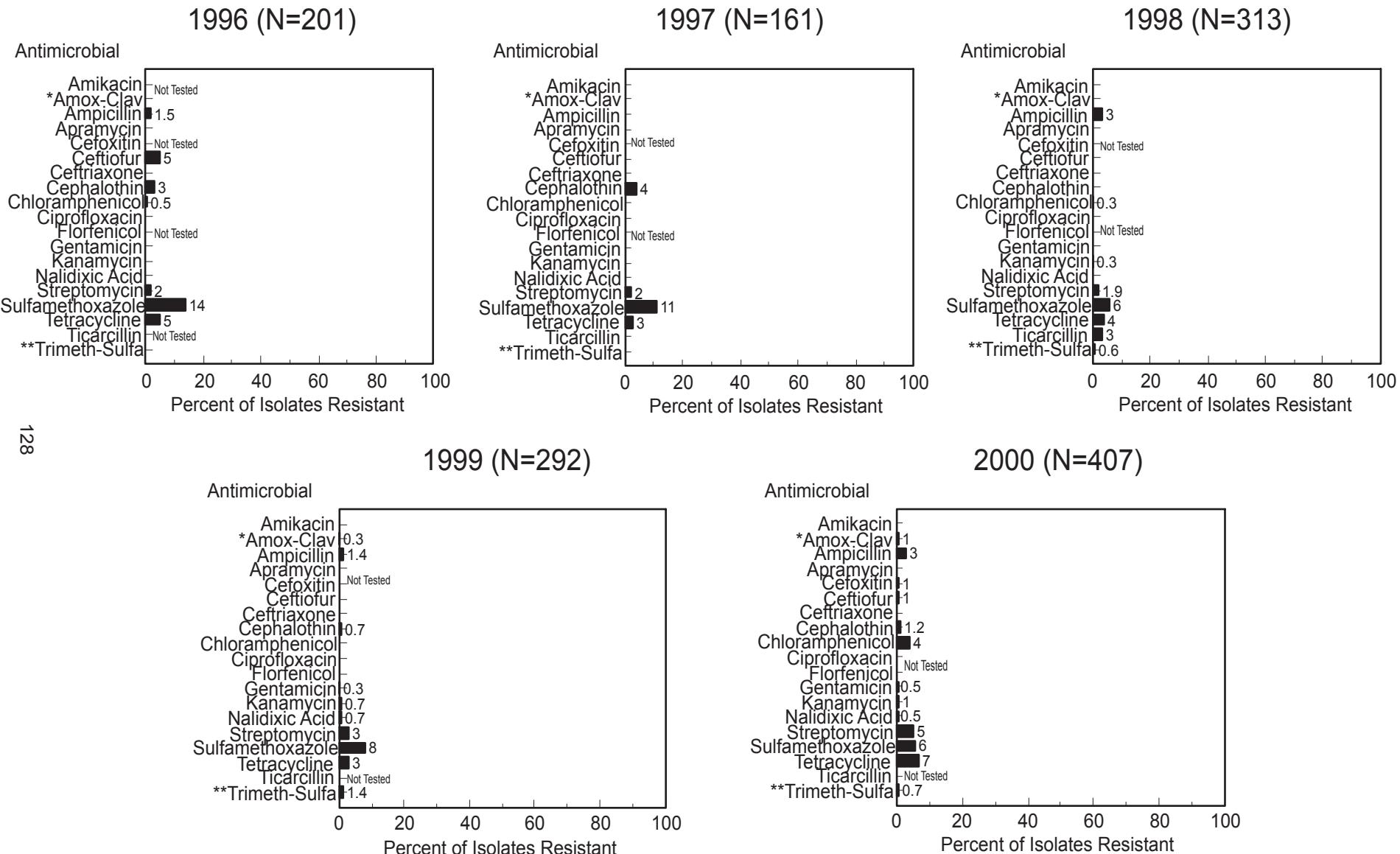


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# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 16. Resistance among *E. coli* O157 isolates, 1996 - 2000**



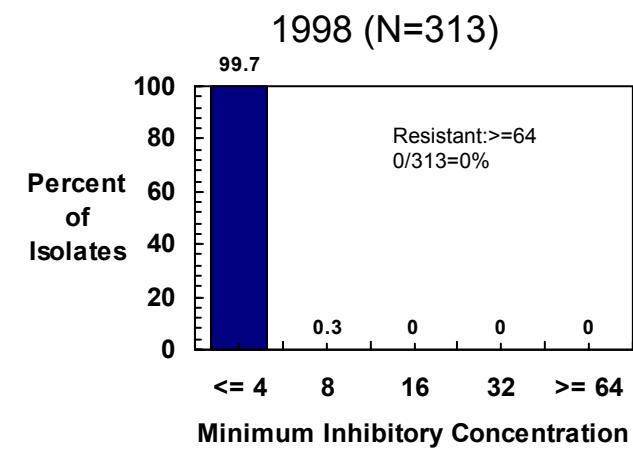
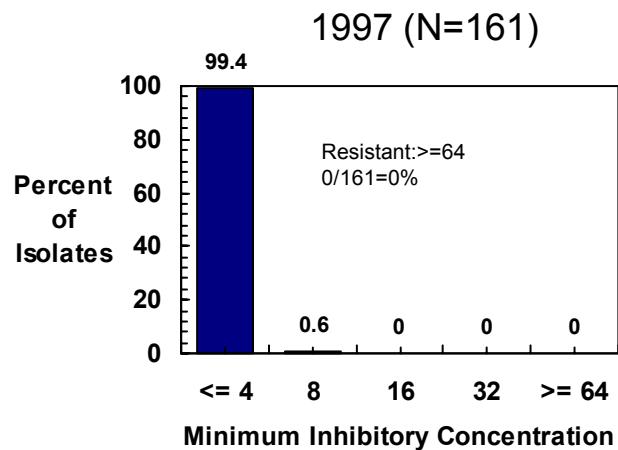
\*Amox-Clav=Amoxicillin-Clavulanic Acid

\*\*Trimeth-Sulfa=Trimethoprim-Sulfamethoxazole

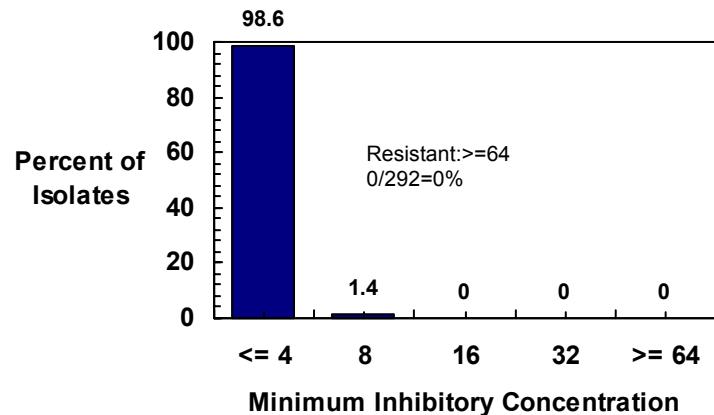
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17a. MICs for amikacin among *E. coli* O157 isolates, 1996 - 2000**

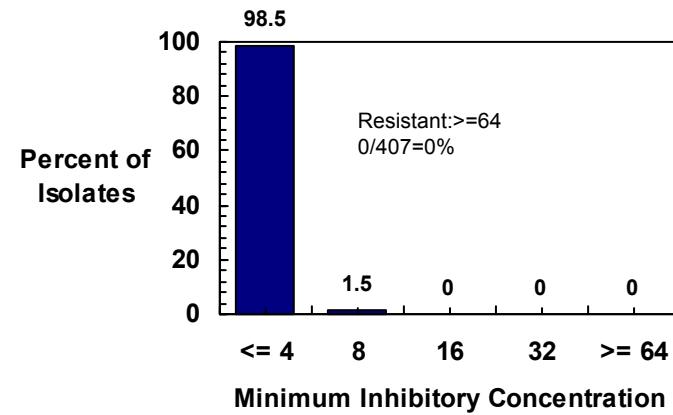
Not tested in 1996



1999 (N=292)

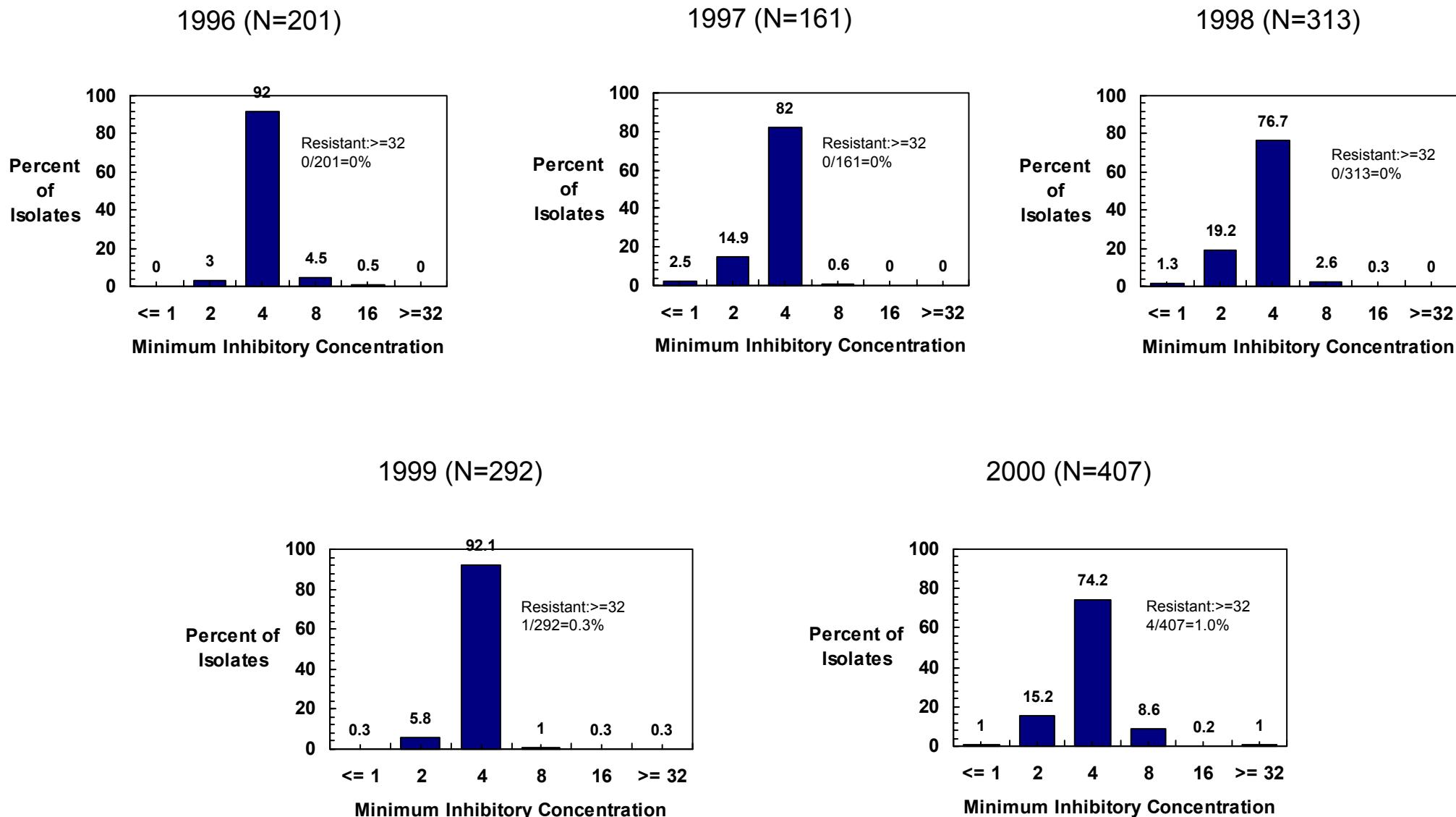


2000 (N=407)



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

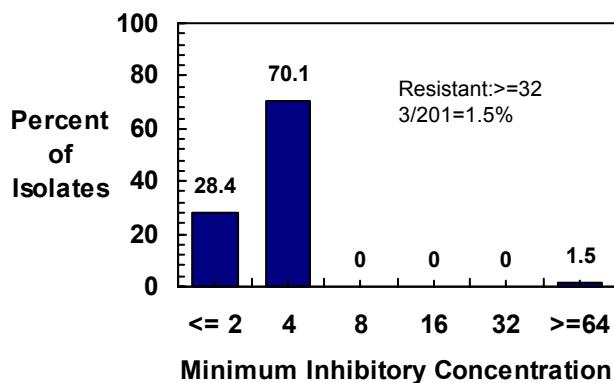
**Figure 17b. MICs for amoxicillin-clavulanic acid among *E. coli* O157 isolates, 1996-2000**



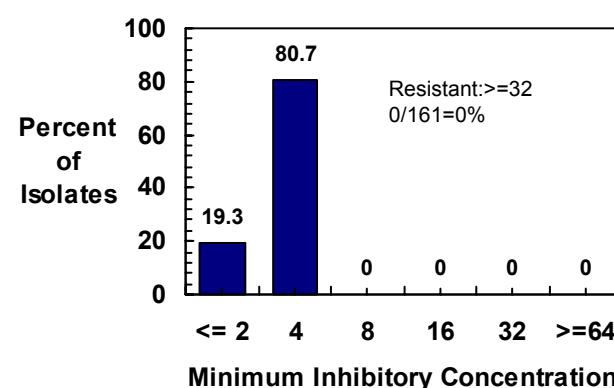
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 17c. MICs for ampicillin among *E. coli* O157 isolates, 1996 - 2000

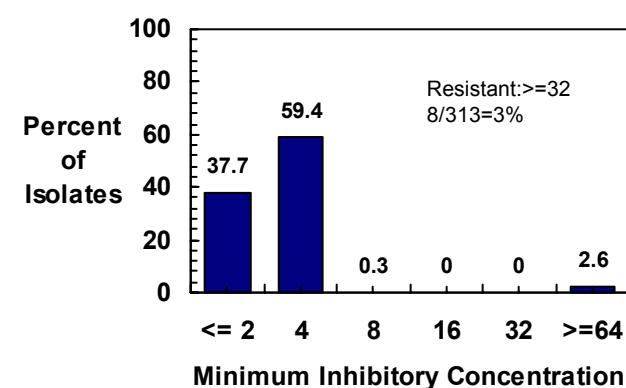
1996 (N=201)



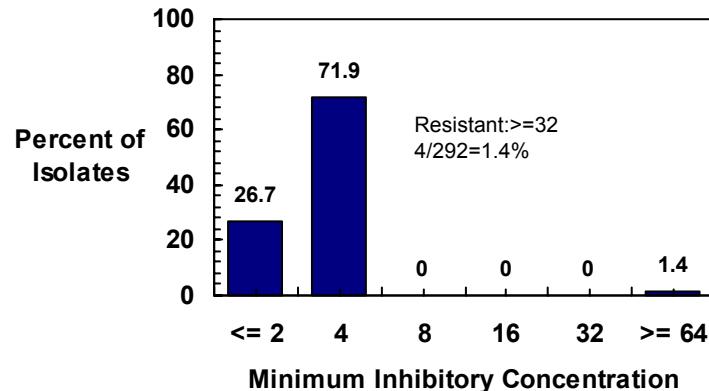
1997 (N=161)



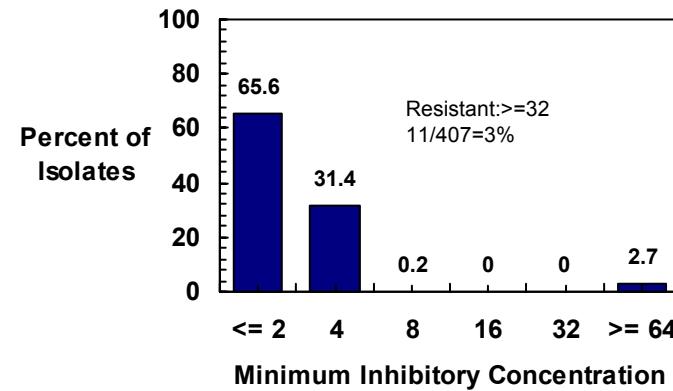
1998 (N=313)



1999 (N=292)

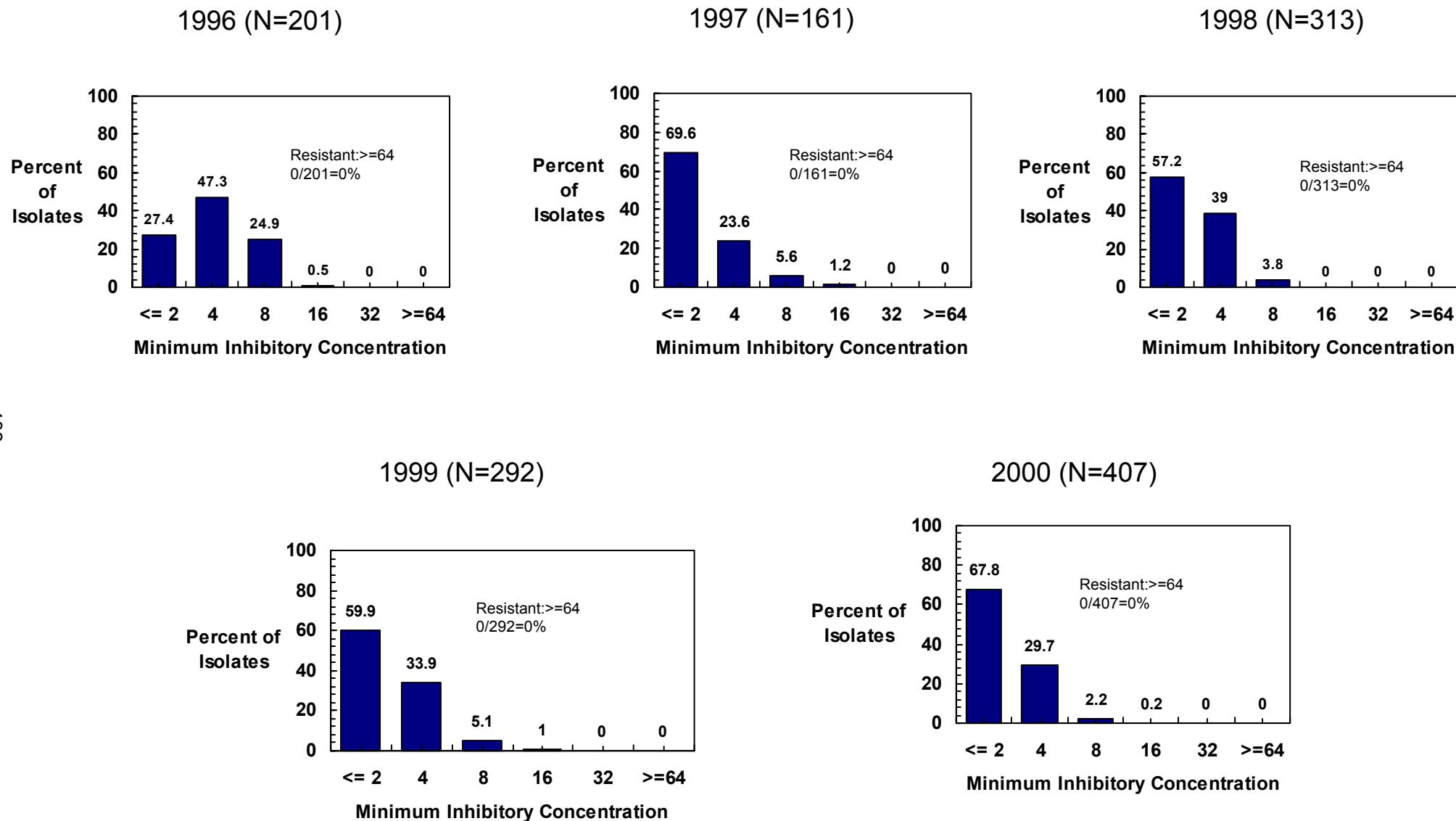


2000 (N=407)



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

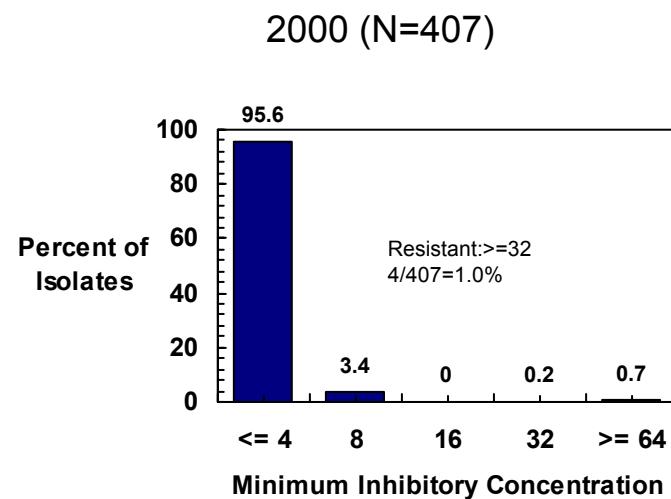
**Figure 17d. MICs for apramycin among *E. coli* O157 isolates, 1996 - 2000**



## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

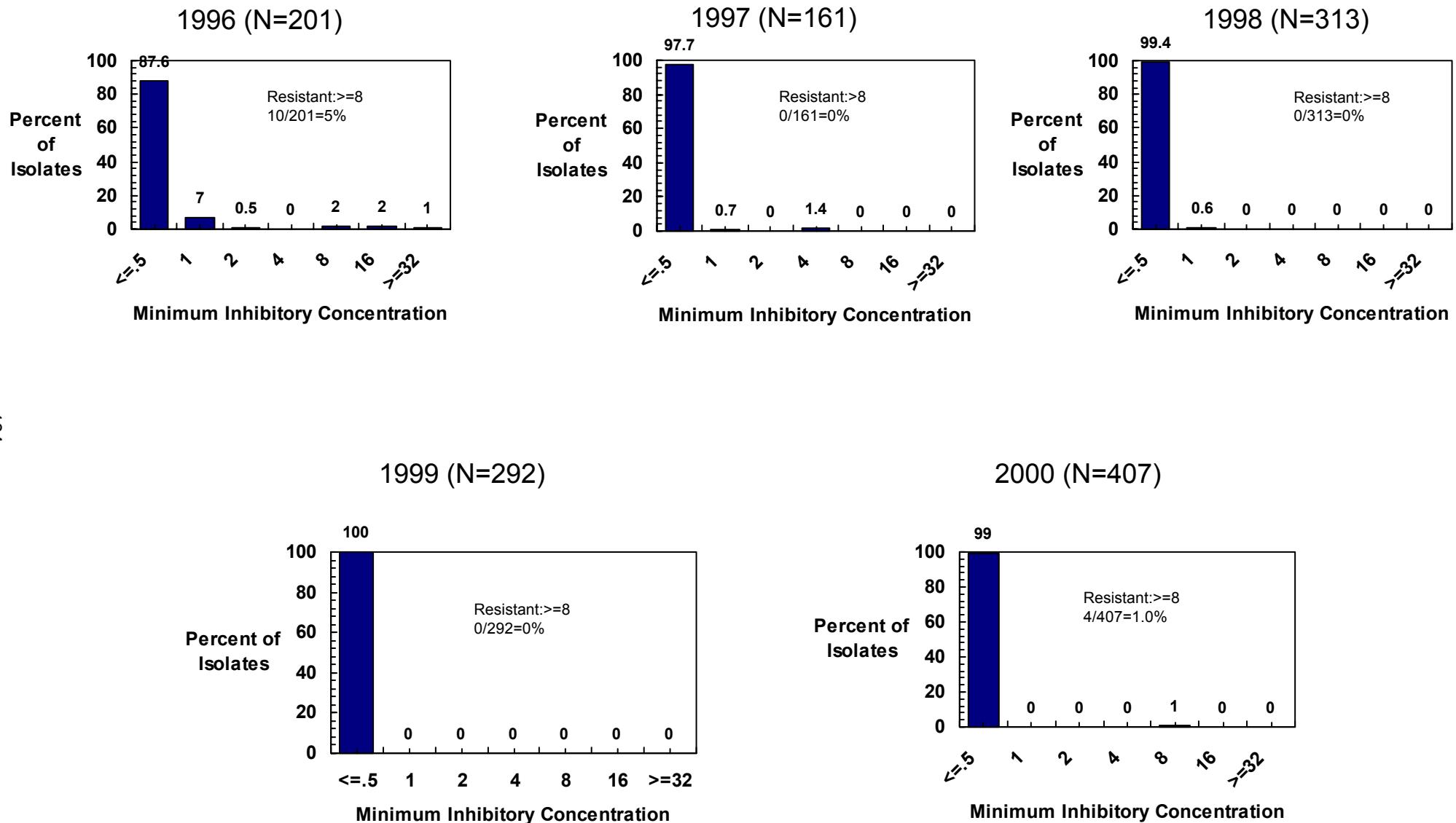
**Figure 17e. MICs for cefoxitin among *E. coli* O157 isolates, 1996 - 2000**

Not tested in 1996 - 1999



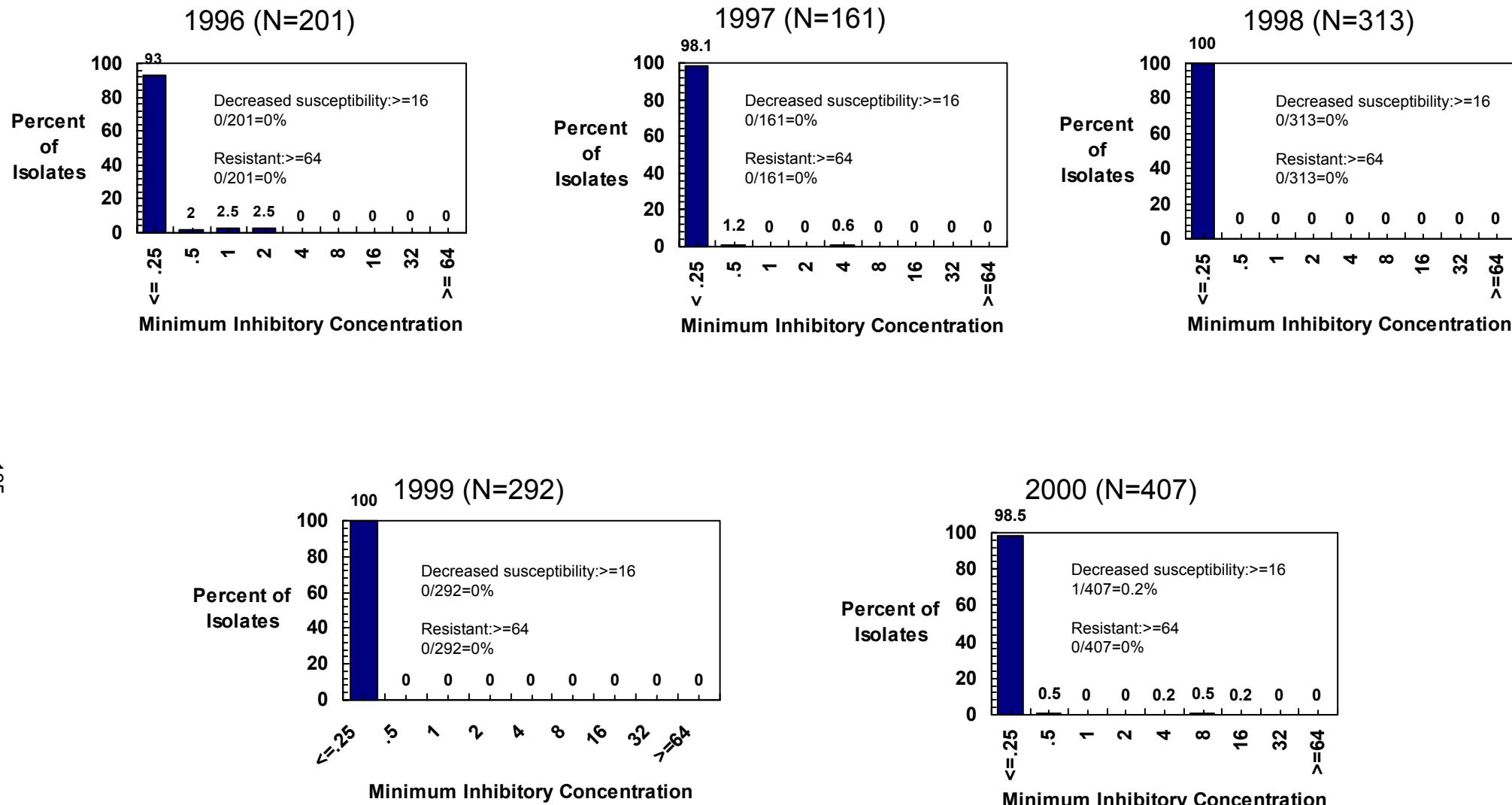
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17f. MICs for ceftiofur among *E. coli* O157 isolates, 1996 - 2000**



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

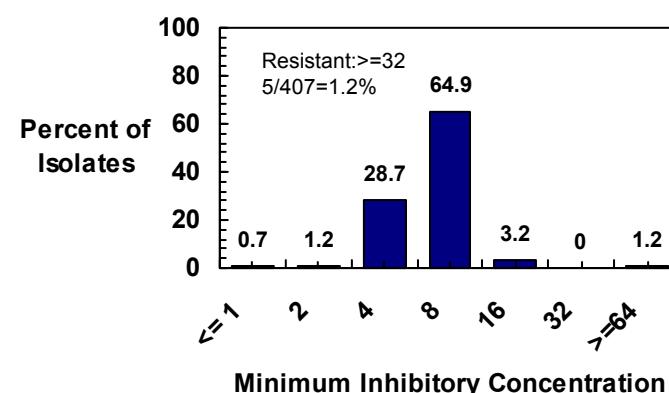
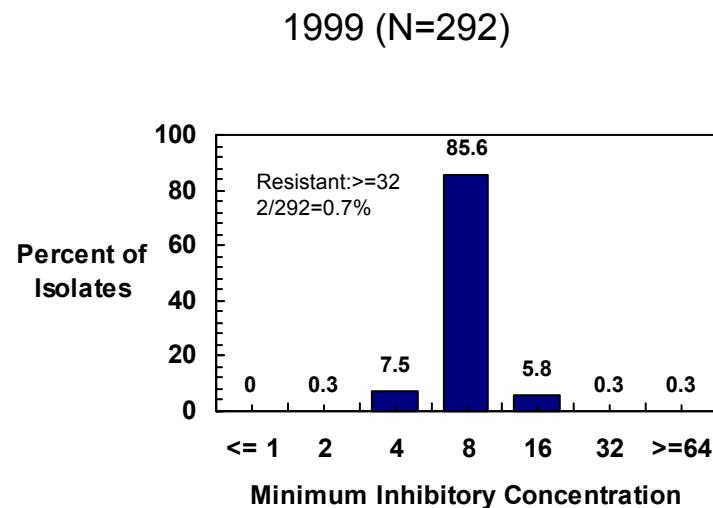
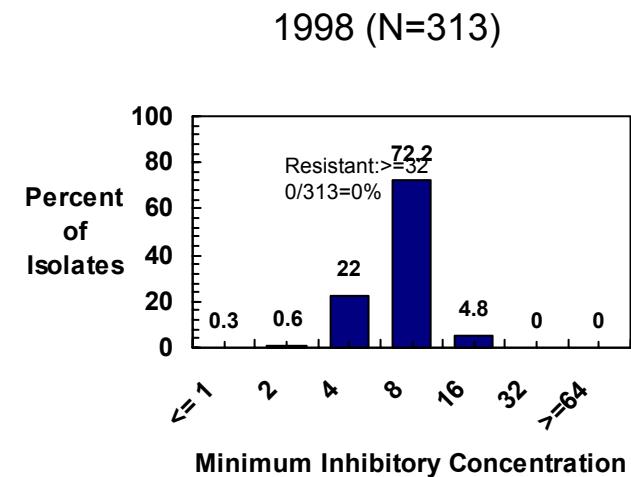
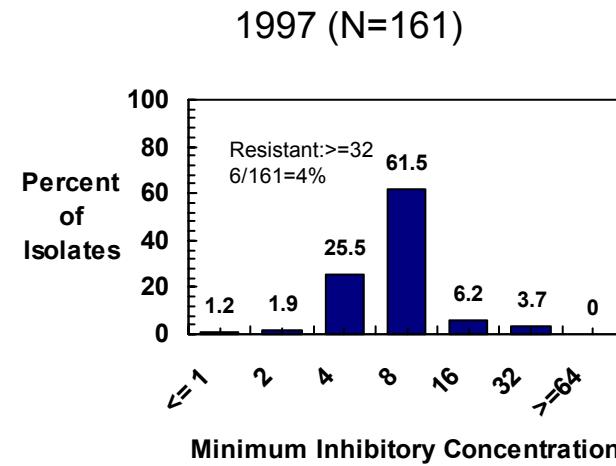
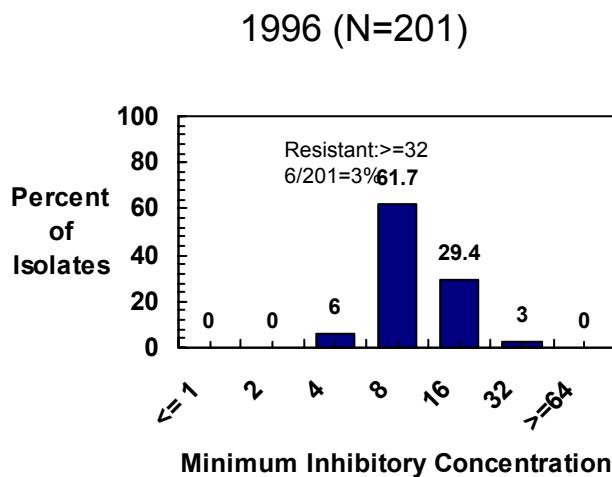
Figure 17g. MICs for ceftriaxone\* among *E. coli* O157 isolates, 1996 - 2000



\* Sensititre results only, isolates with decreased susceptibility are also tested by E-test

# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

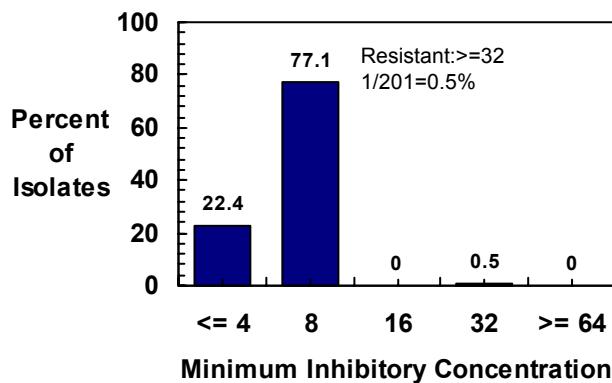
Figure 17h. MICs for cephalothin among *E. coli* O157 isolates, 1996 - 2000



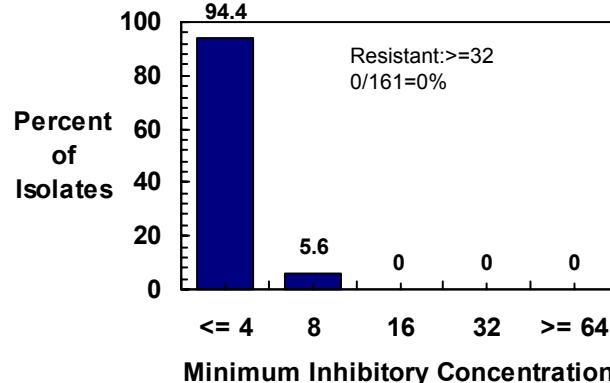
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17i. MICs for chloramphenicol among *E. coli* O157 isolates, 1996 - 2000**

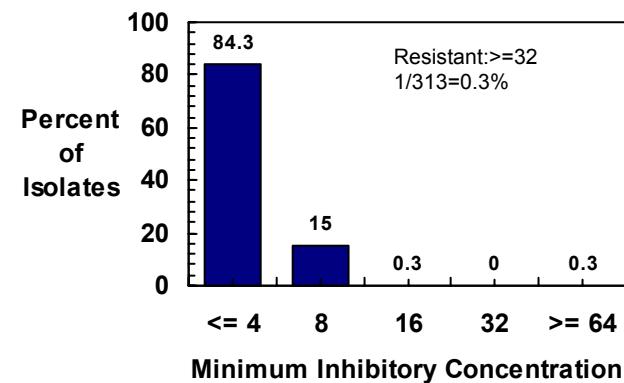
1996 (N=201)



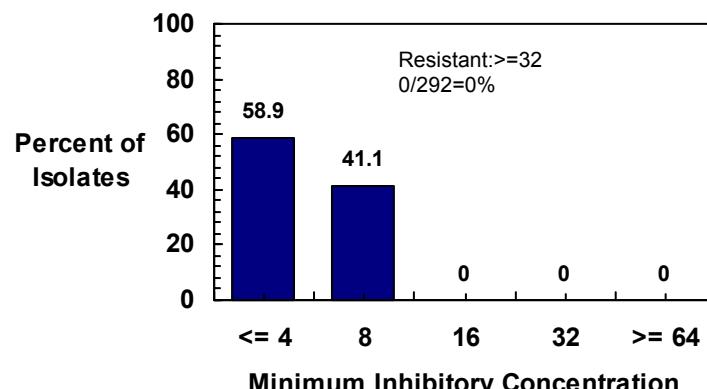
1997 (N=161)



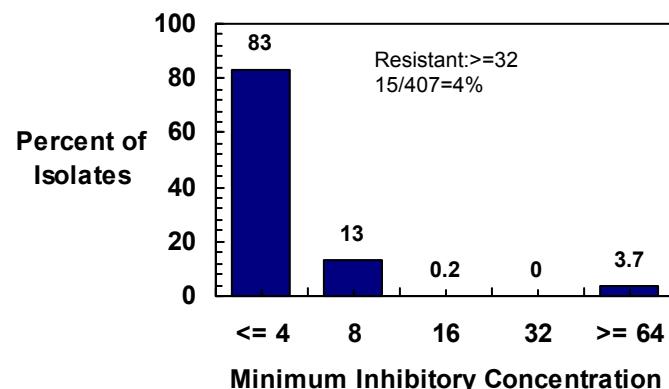
1998 (N=313)



1999 (N=292)

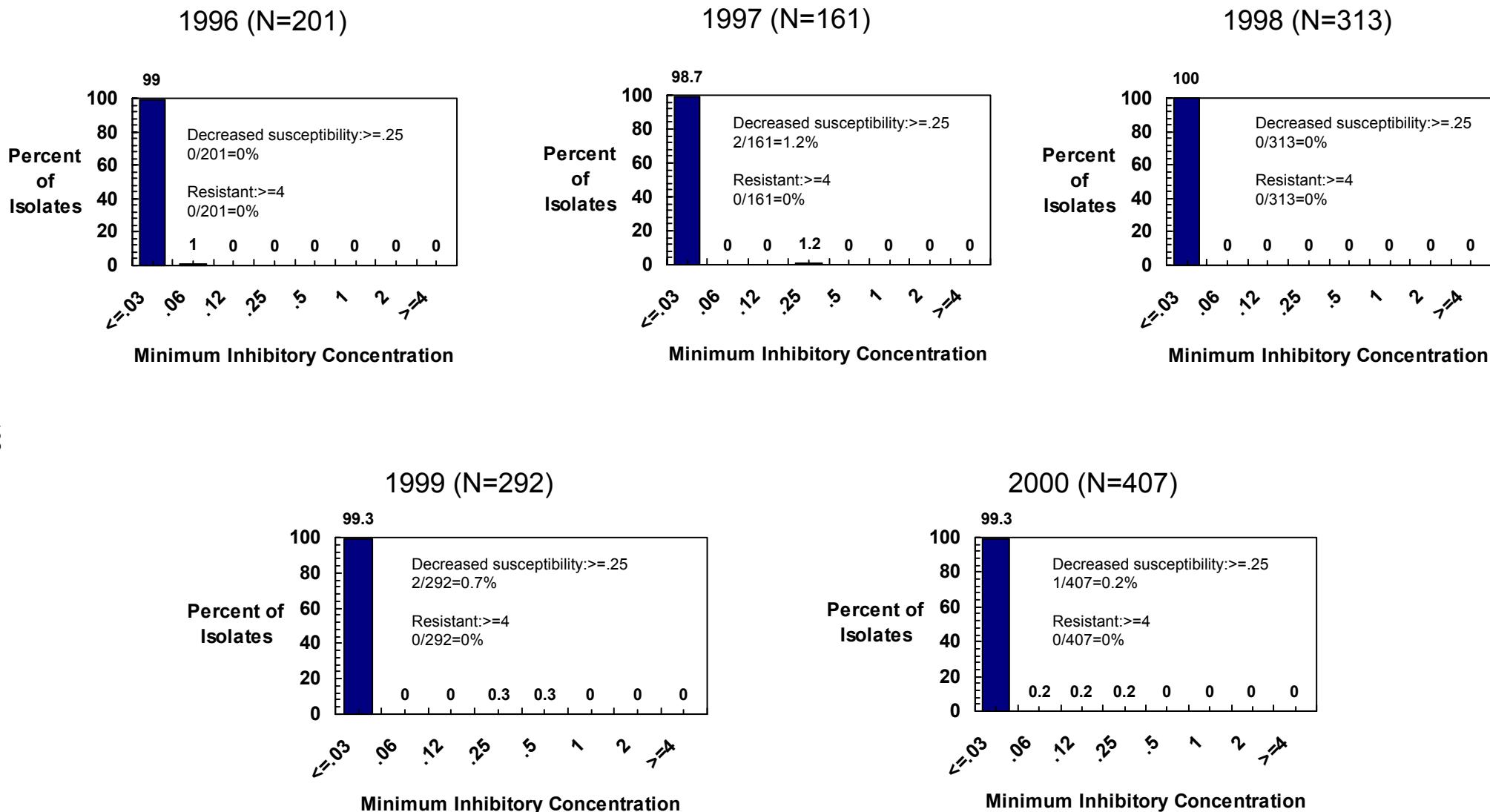


2000 (N=407)



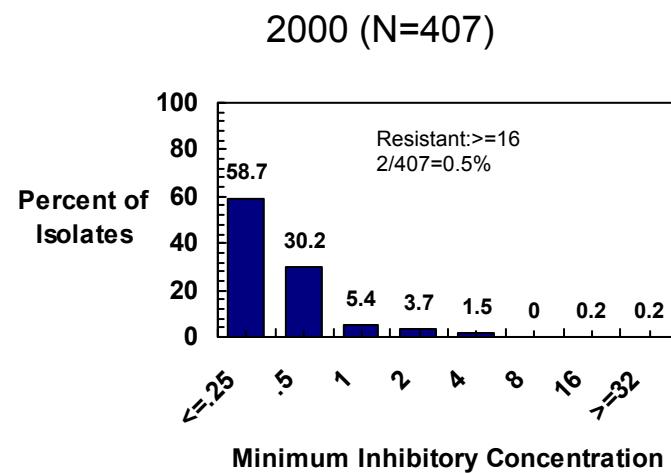
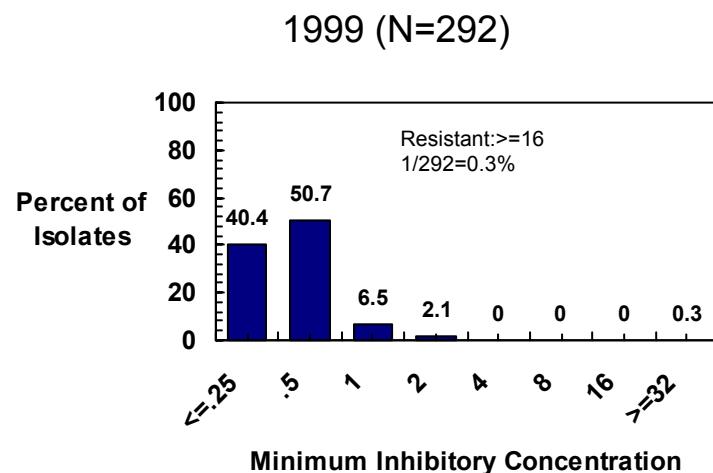
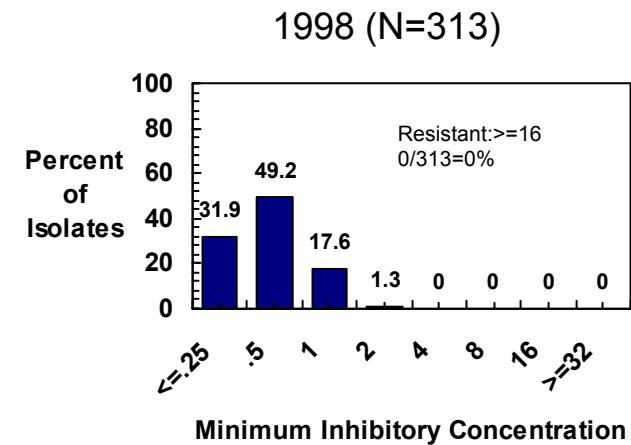
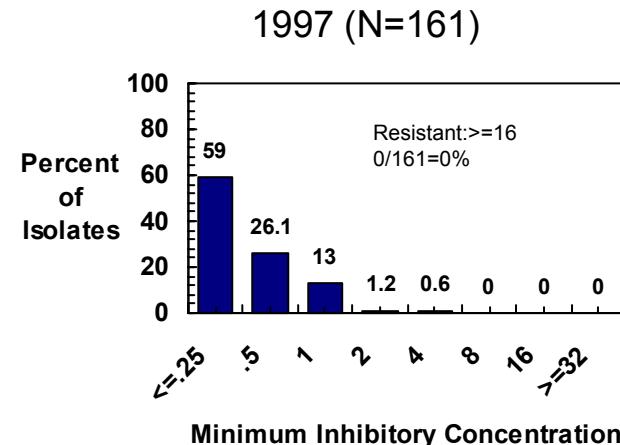
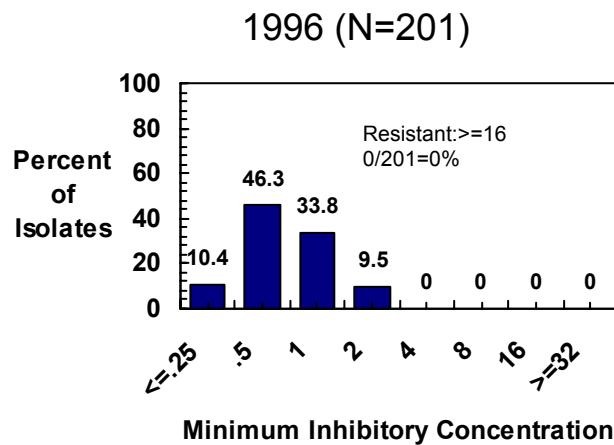
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17j. MICs for ciprofloxacin among *E. coli* O157 isolates, 1996 - 2000**



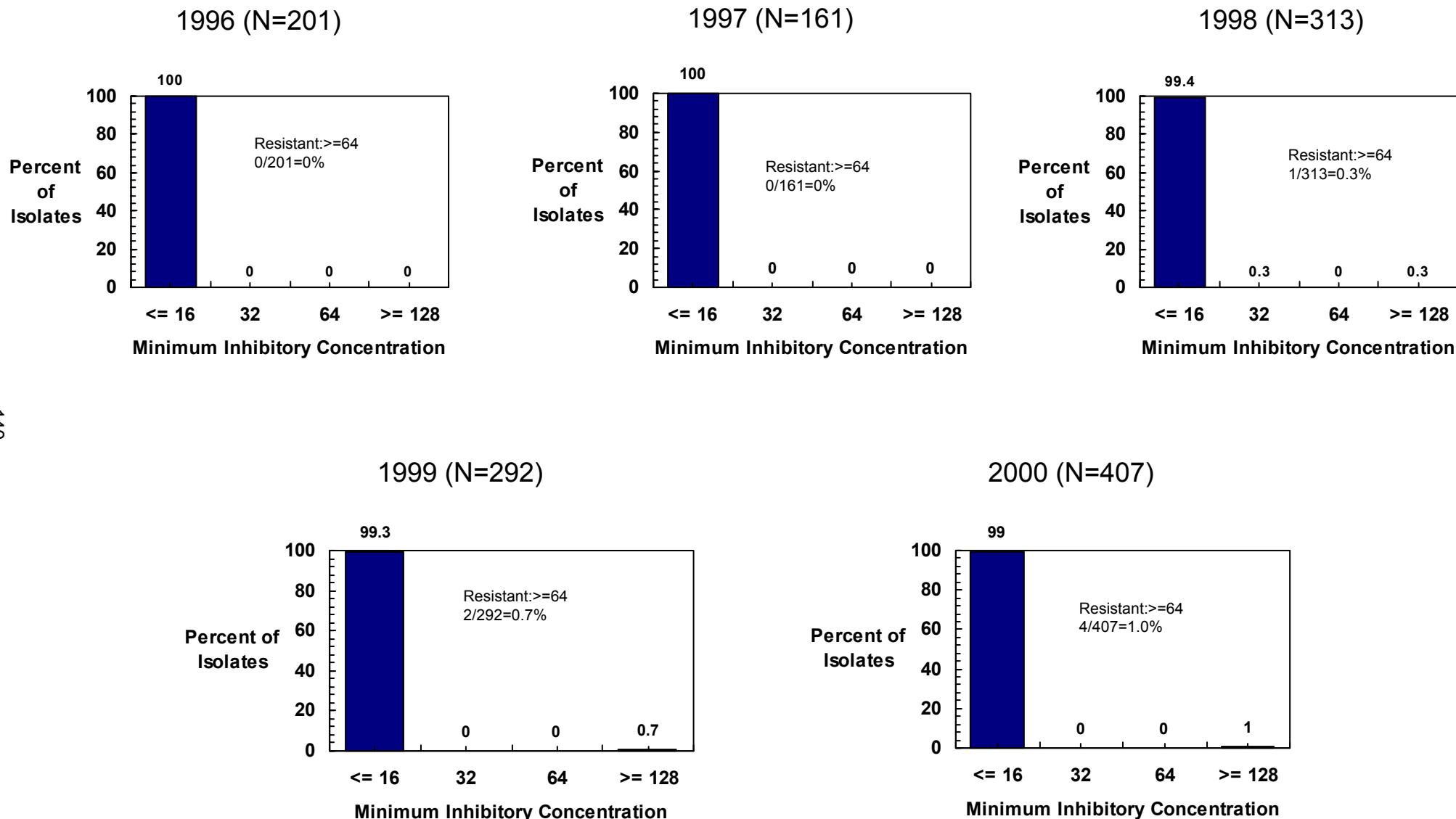
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17k. MICs for gentamicin among *E. coli* O157 isolates, 1996 - 2000**



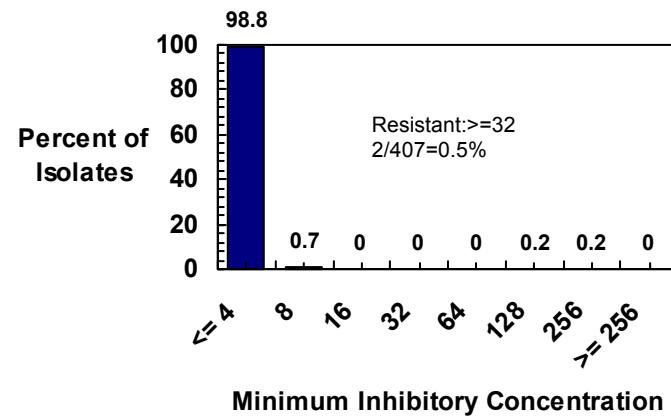
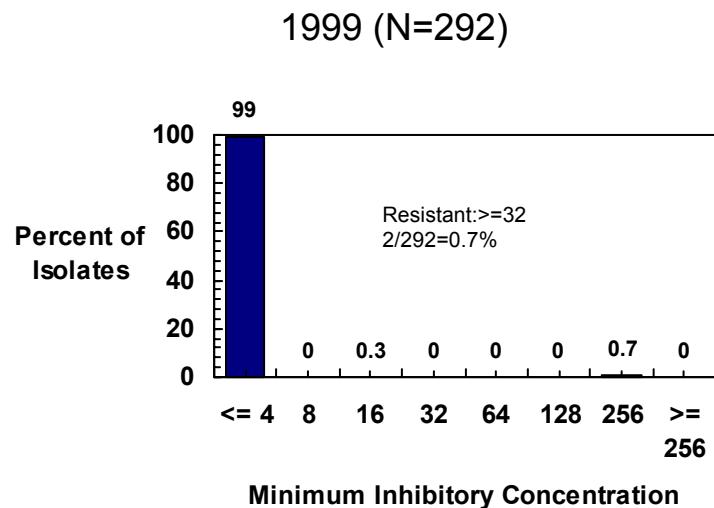
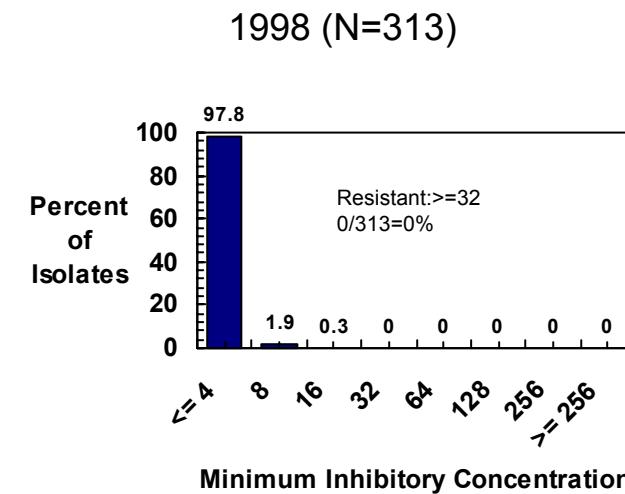
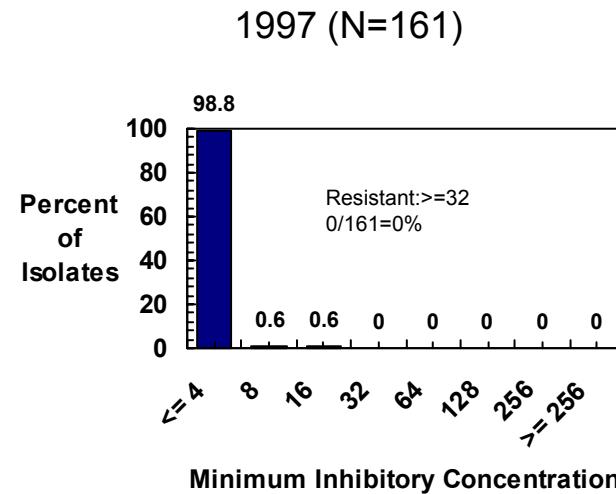
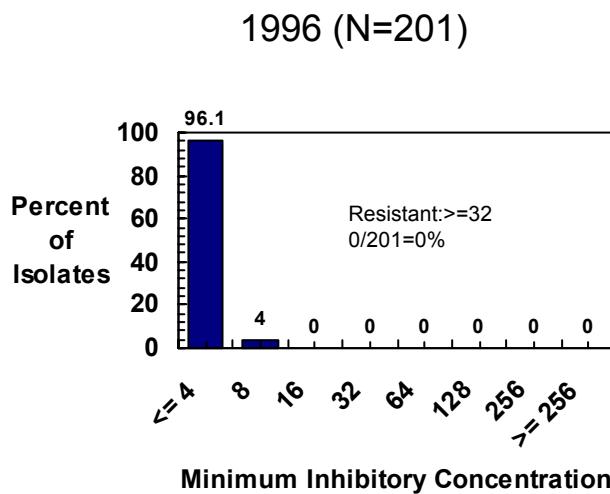
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17I. MICs for kanamycin among *E. coli* O157 isolates, 1996 - 2000**



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

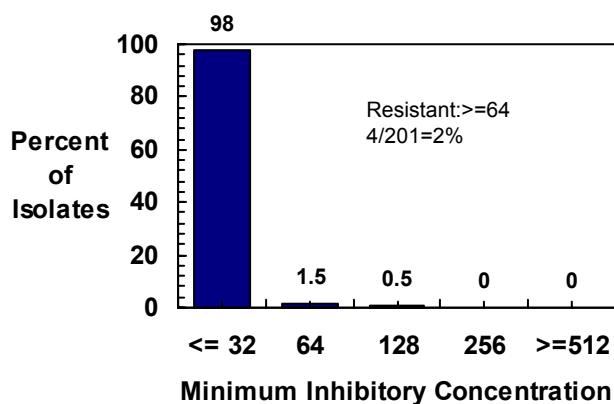
**Figure 17m. MICs for nalidixic acid among *E. coli* O157 isolates, 1996 - 2000**



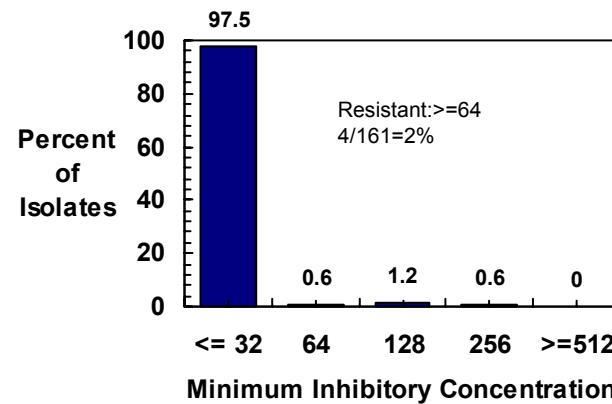
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 17n. MICs for streptomycin among *E. coli* O157 isolates, 1996 - 2000

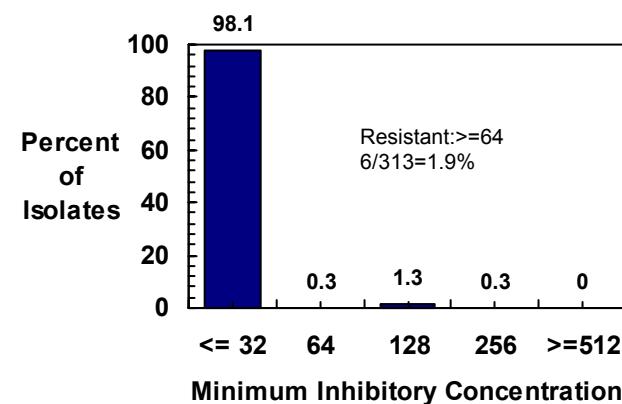
1996 (N=201)



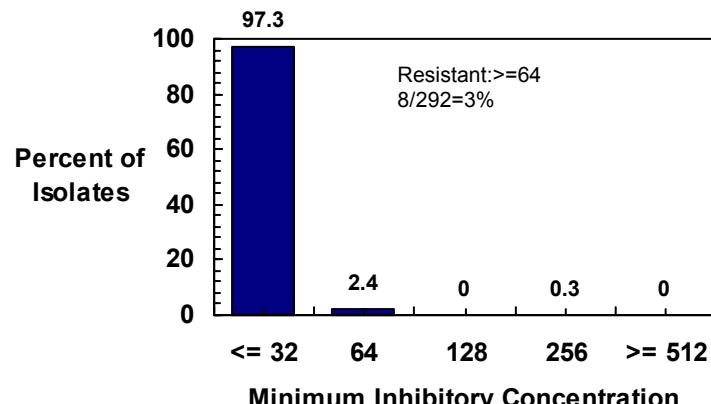
1997 (N=161)



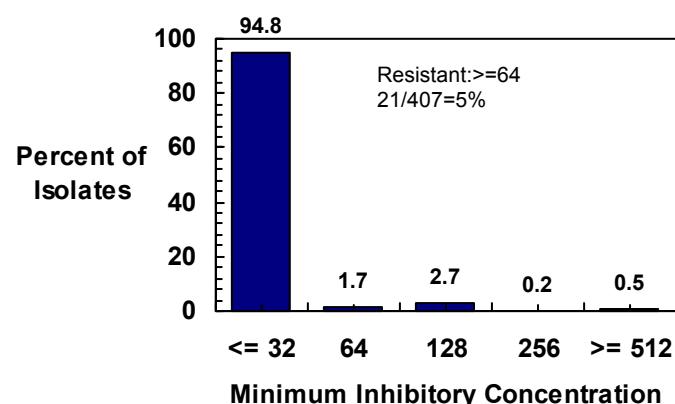
1998 (N=313)



1999 (N=292)

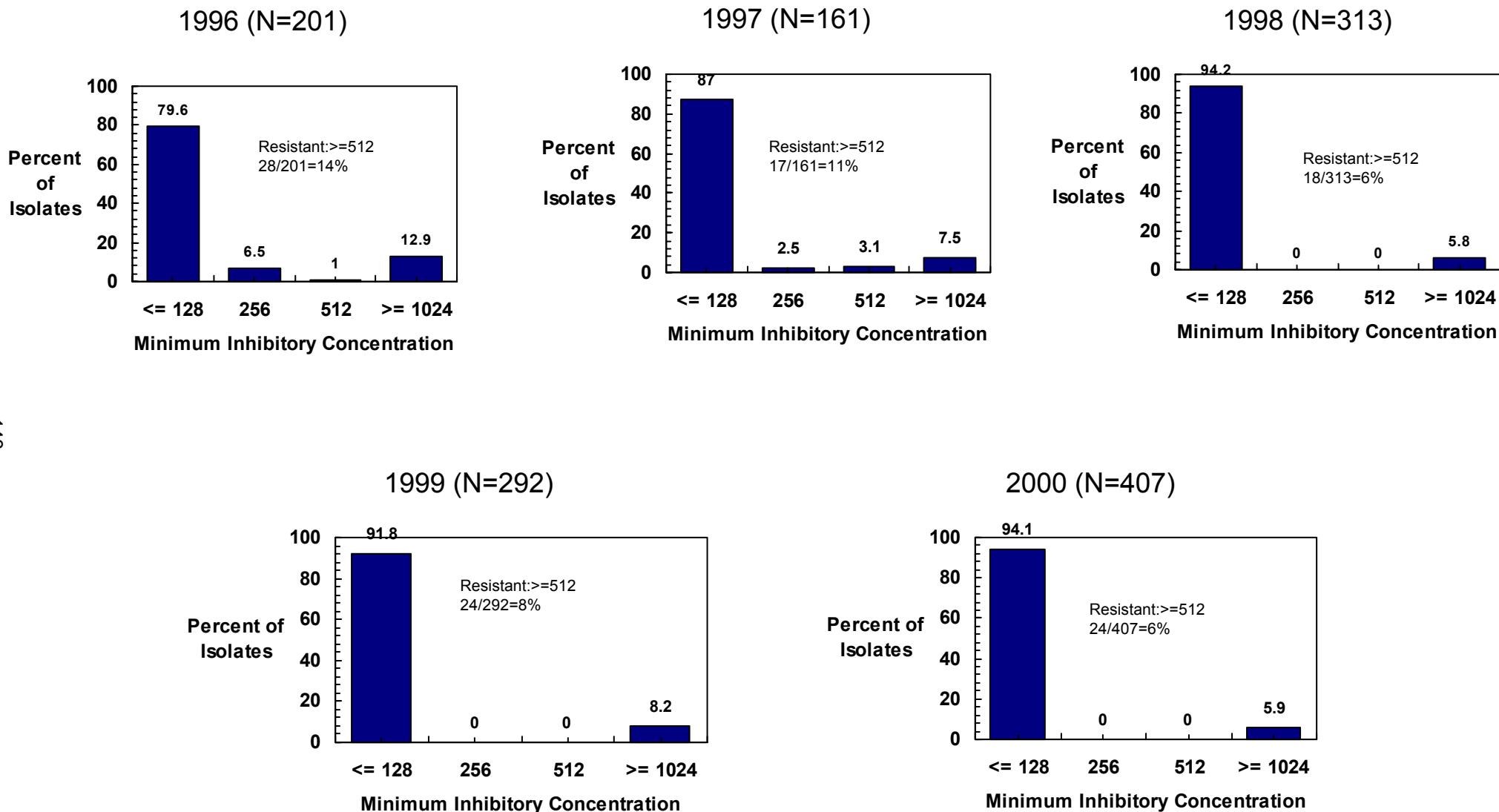


2000 (N=407)



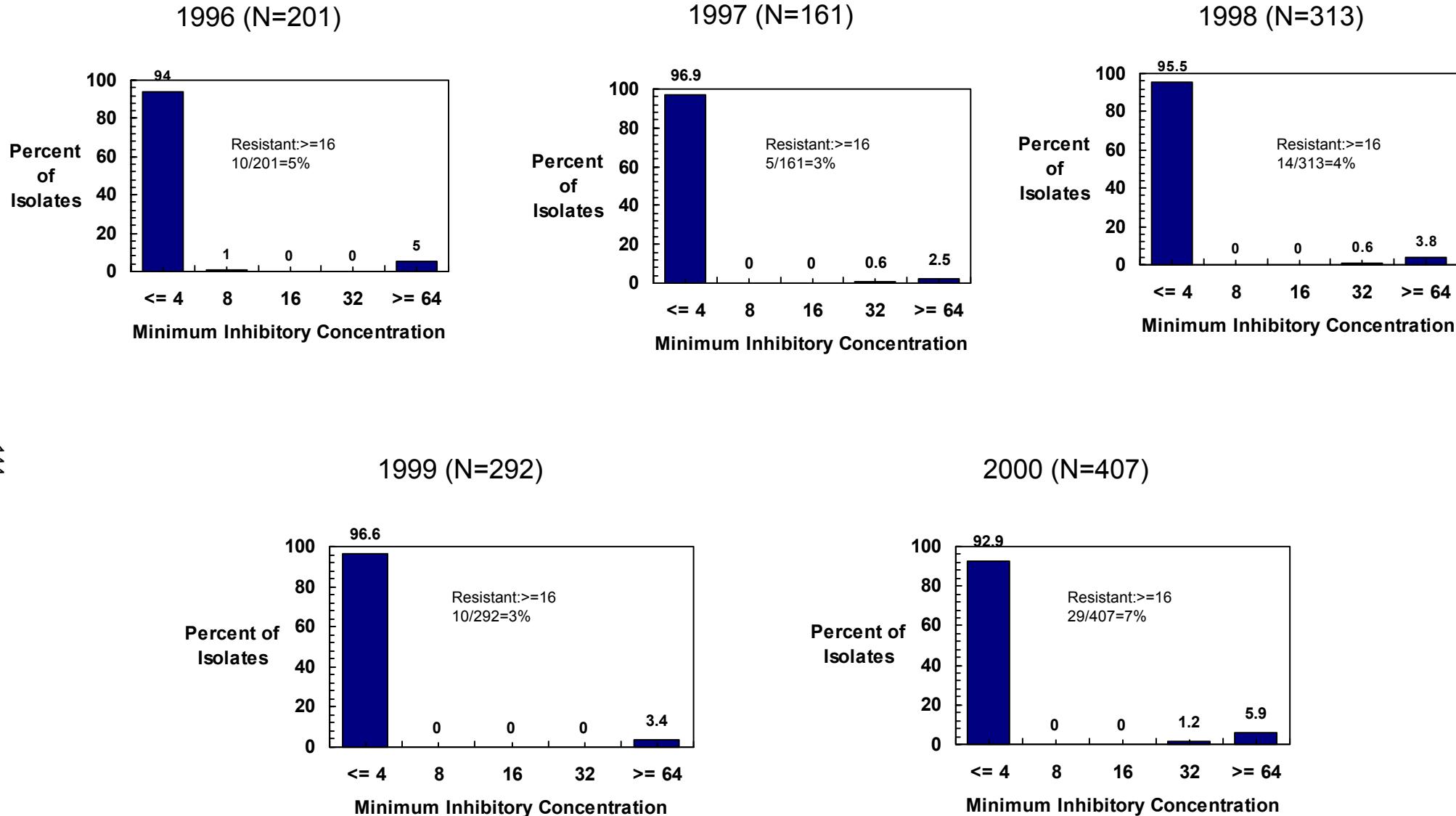
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17o. MICs for sulfamethoxazole among *E. coli* O157 isolates, 1996 - 2000**



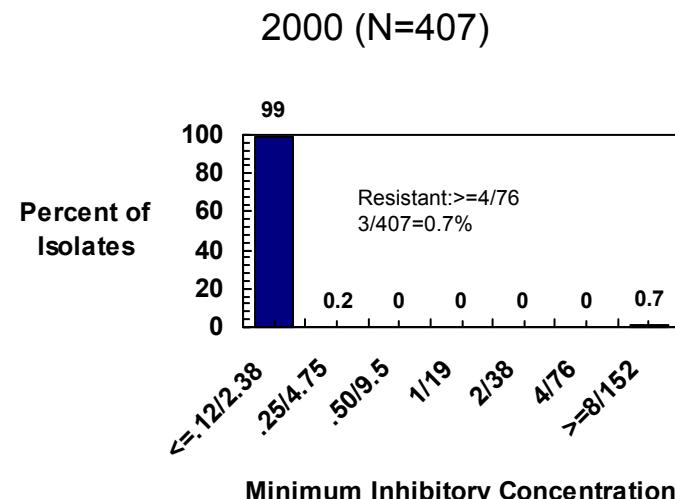
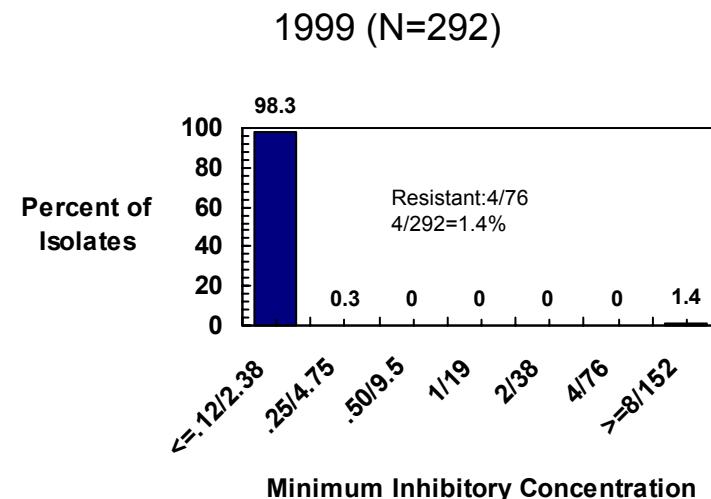
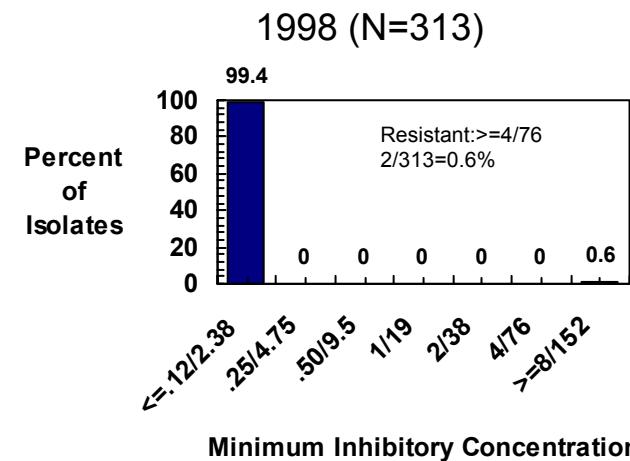
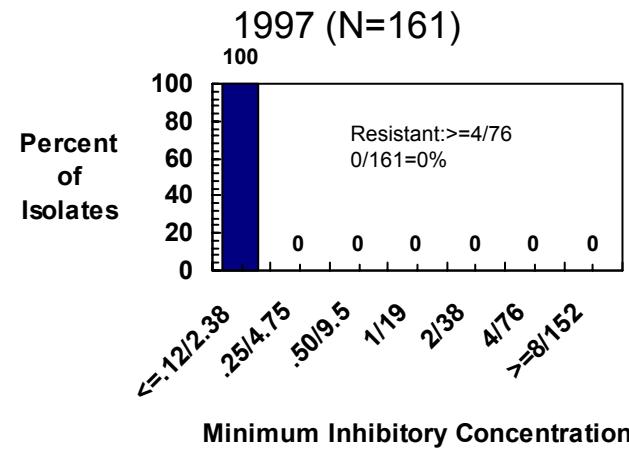
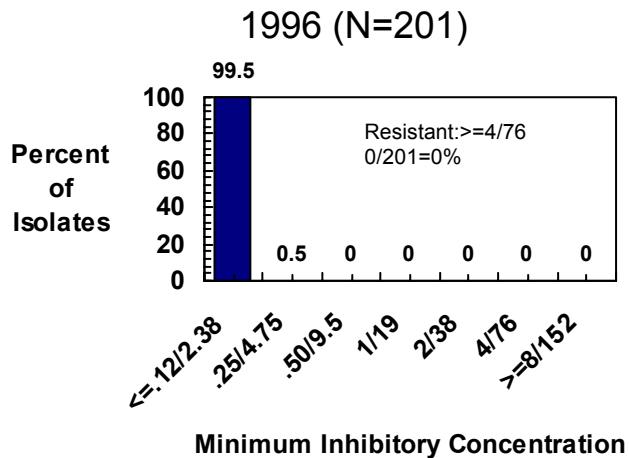
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17p. MICs for tetracycline among *E. coli* O157 isolates, 1996 - 2000**



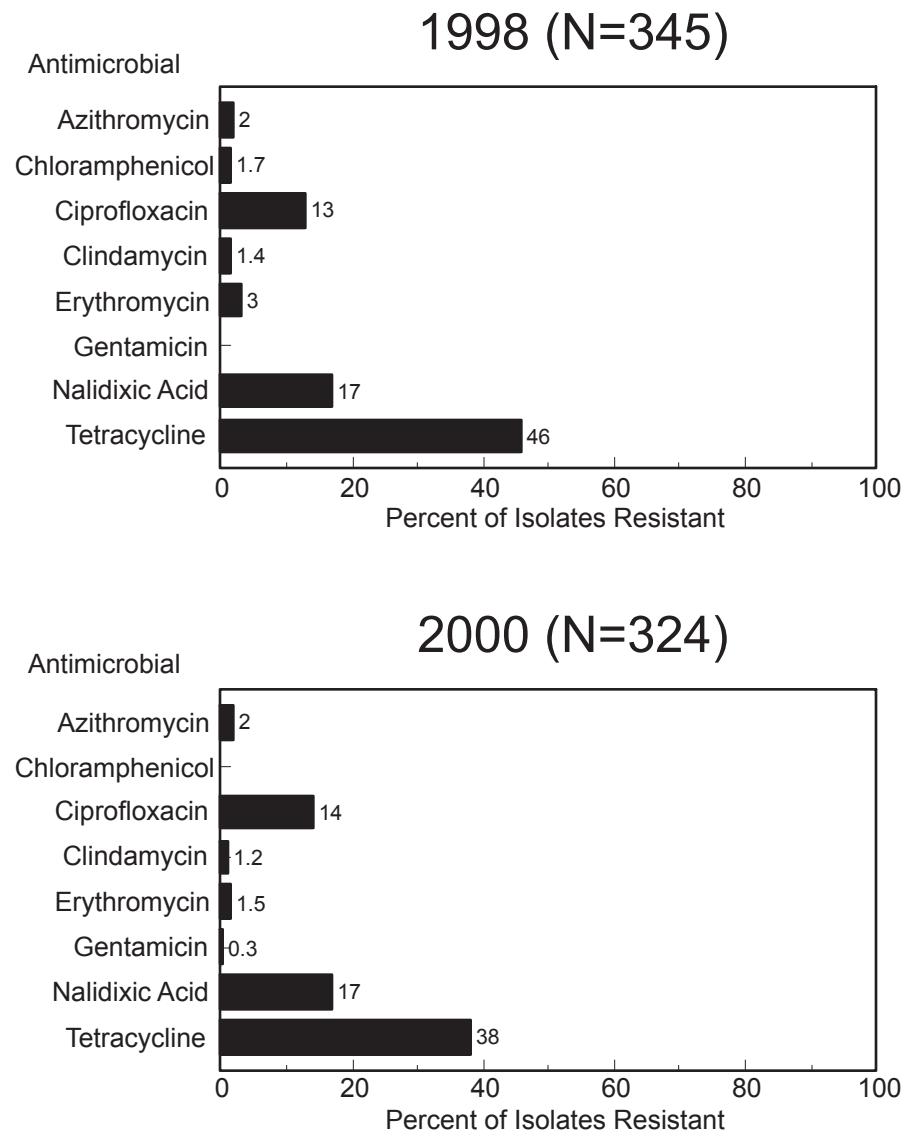
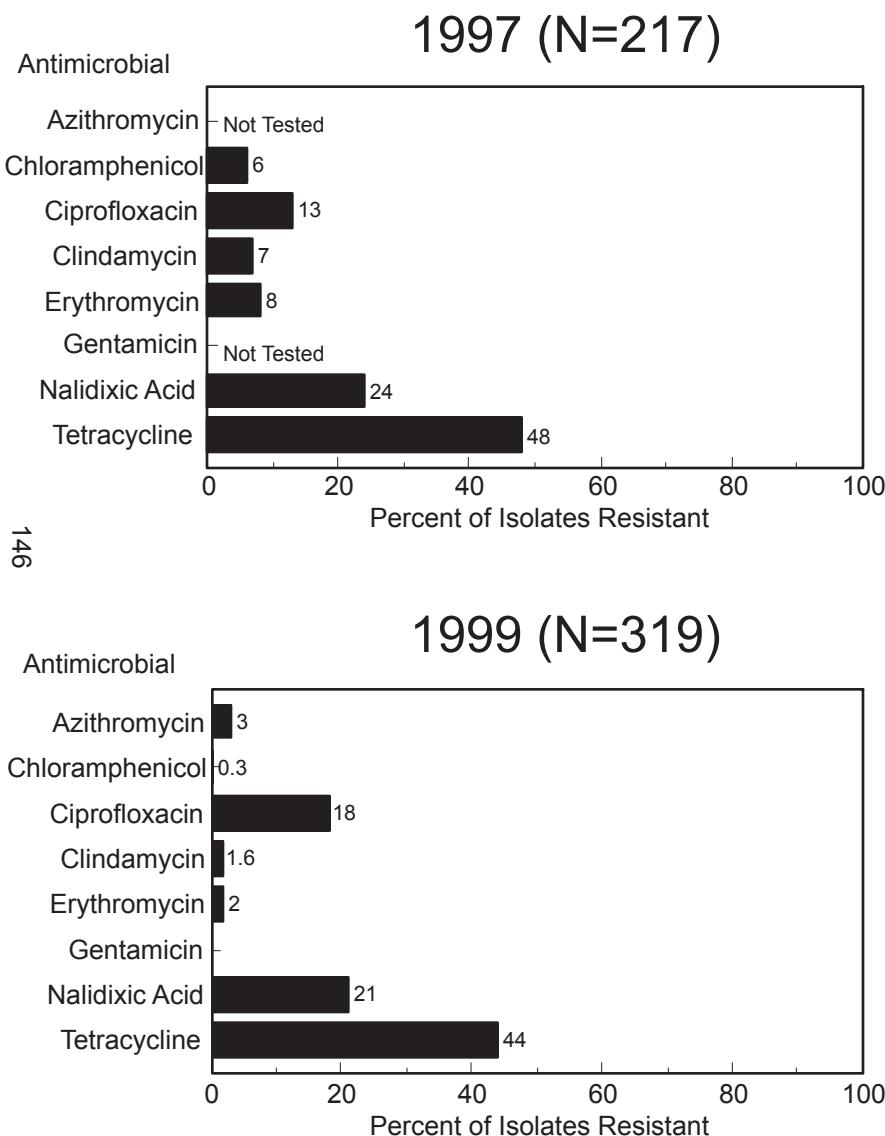
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 17q. MICs for trimethoprim-sulfamethoxazole among *E. coli* O157 isolates, 1996 - 2000**



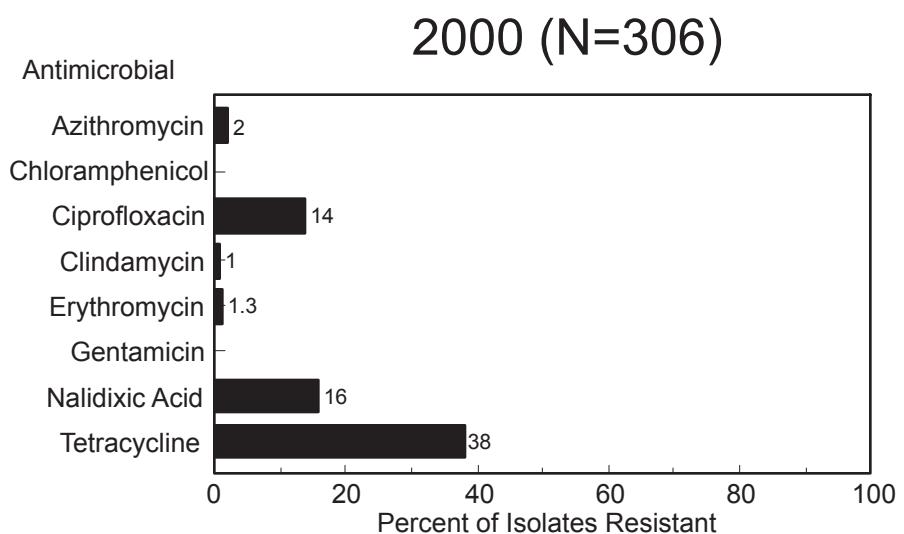
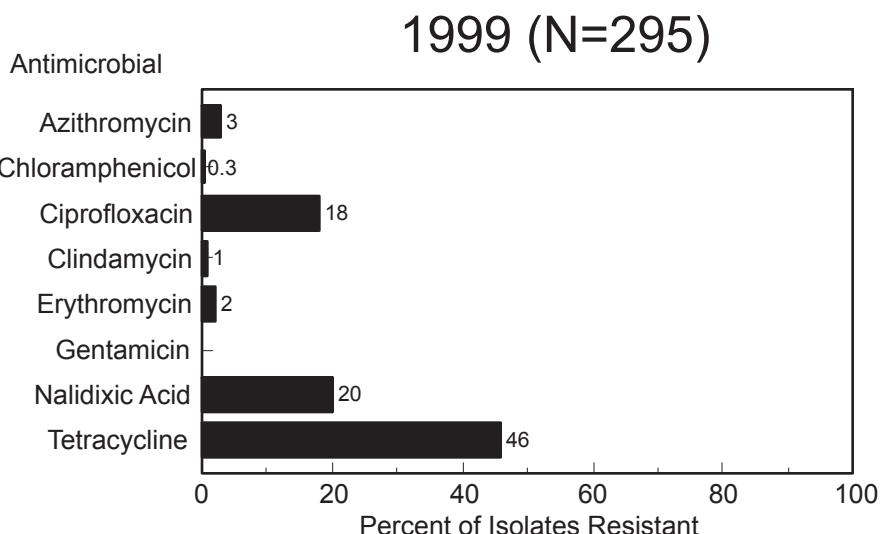
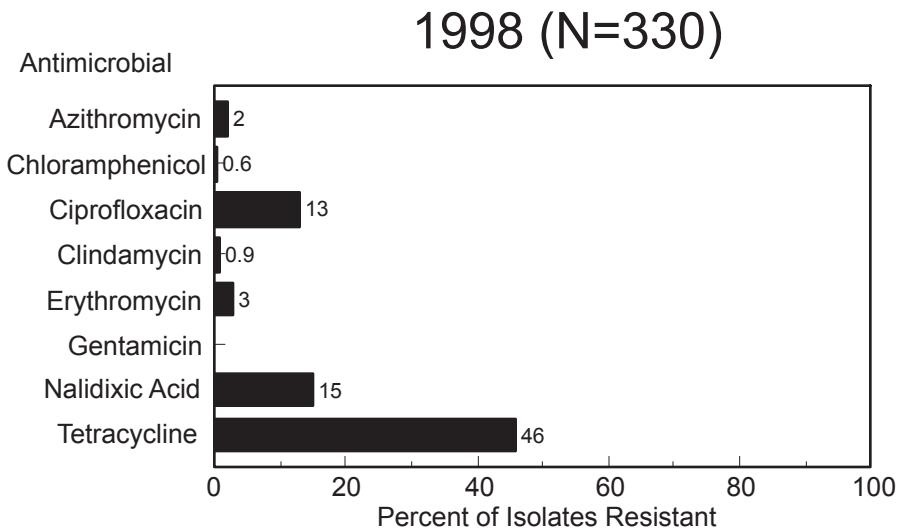
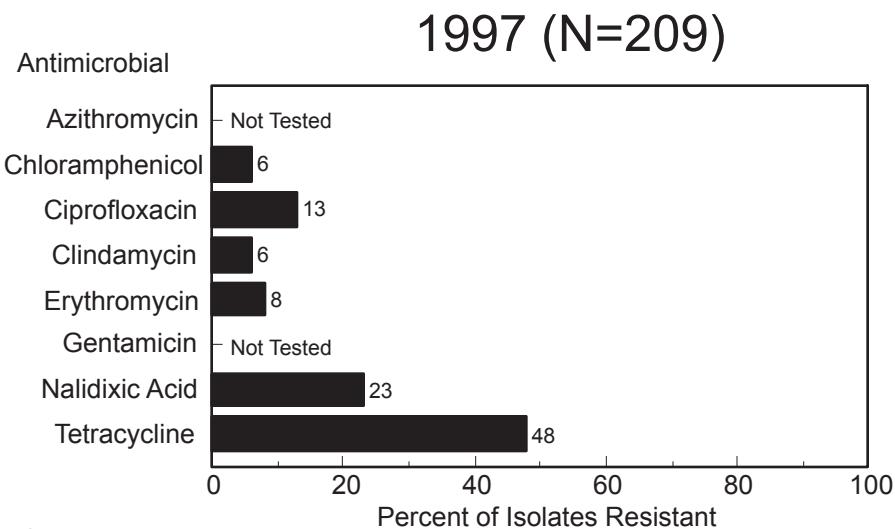
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 18. Resistance among *Campylobacter* isolates, 1997 - 2000**



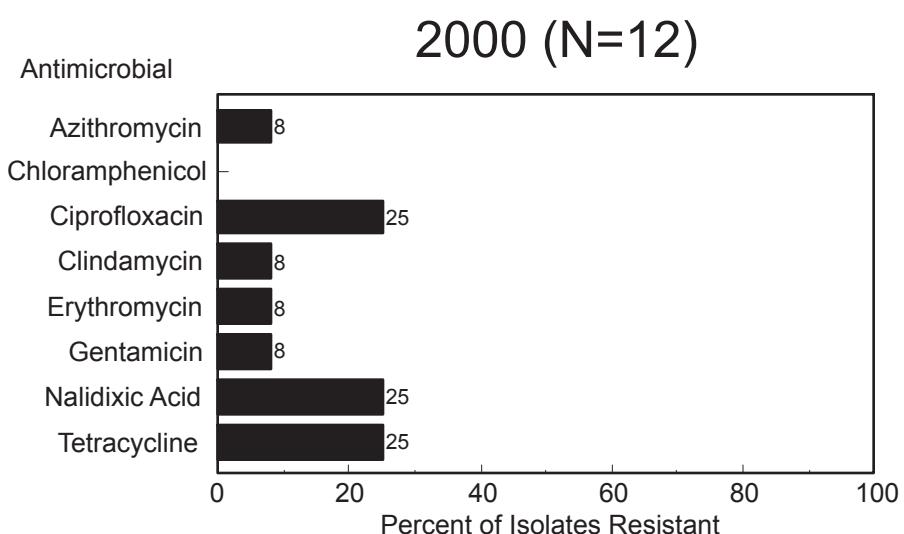
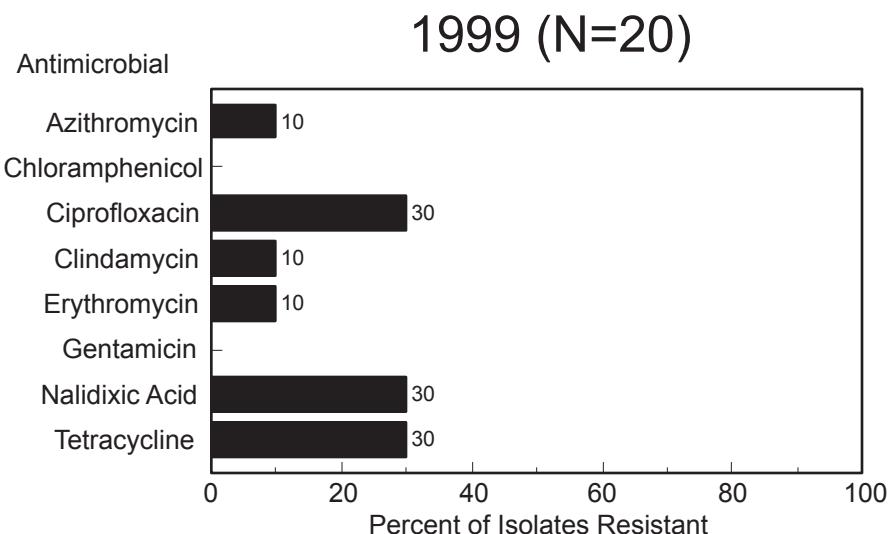
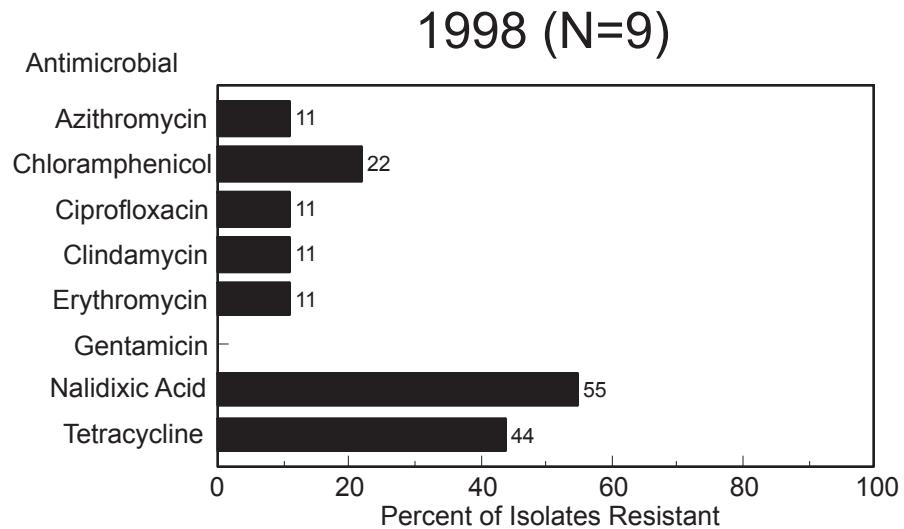
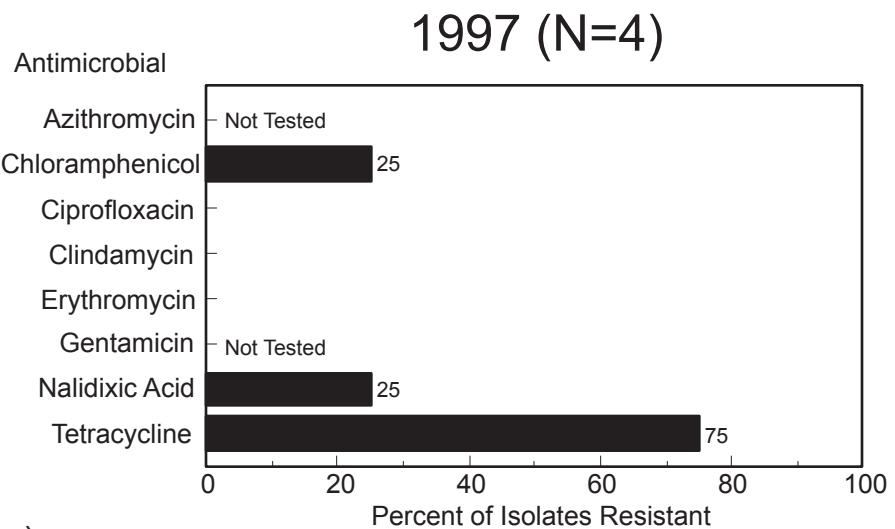
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 19a. Resistance among *Campylobacter jejuni* isolates, 1997 - 2000**



# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 19b. Resistance among *Campylobacter coli* isolates, 1997 - 2000**

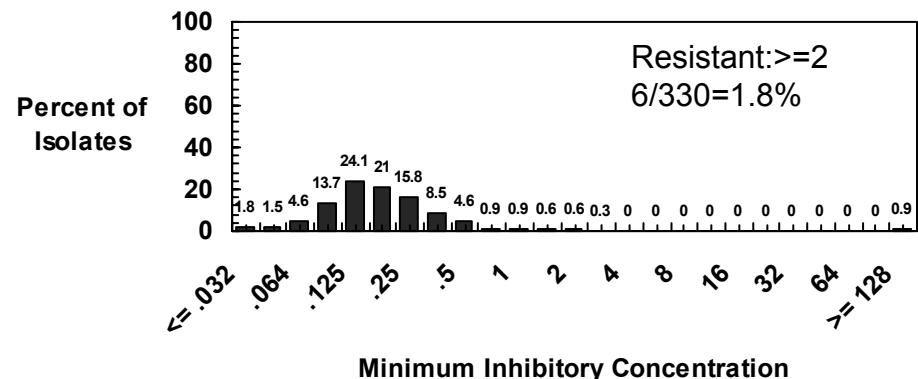


## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

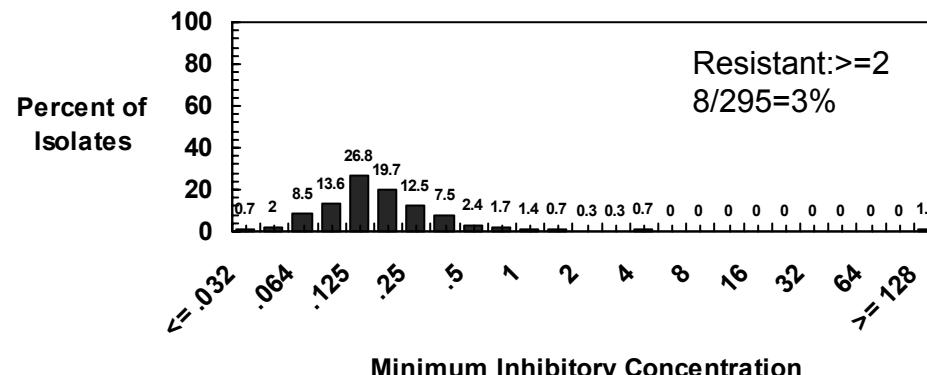
Figure 20a. MICs for azithromycin among *Campylobacter jejuni* isolates, 1997 - 2000

Not tested in 1997

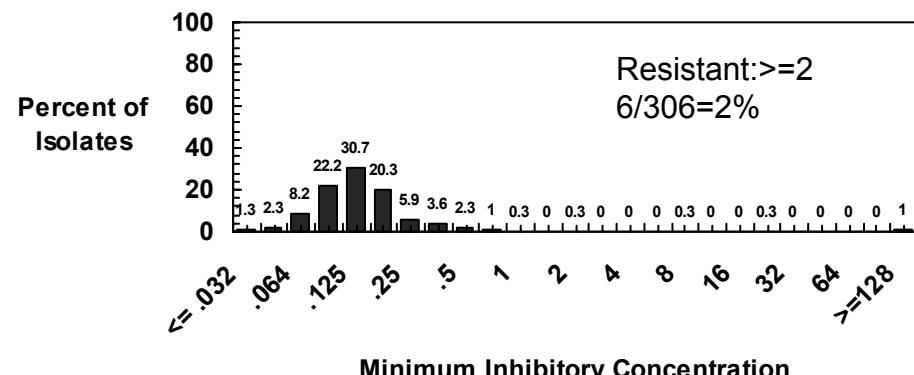
1998 (N=330)



1999 (N=295)



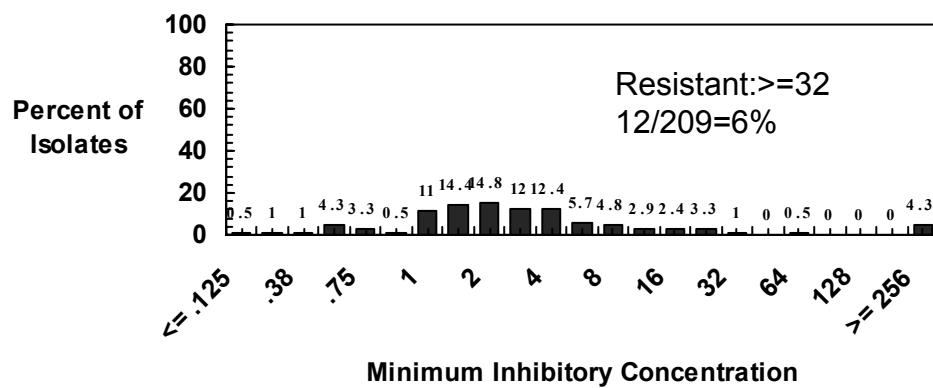
2000 (N=306)



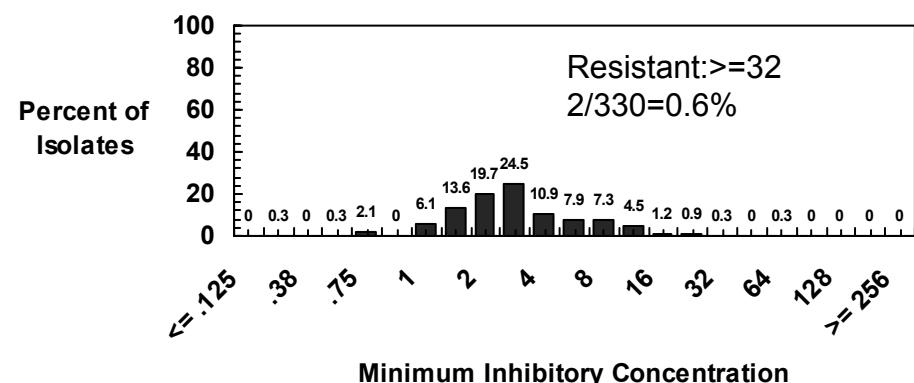
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 20b. MICs for chloramphenicol among *Campylobacter jejuni* isolates, 1997 - 2000**

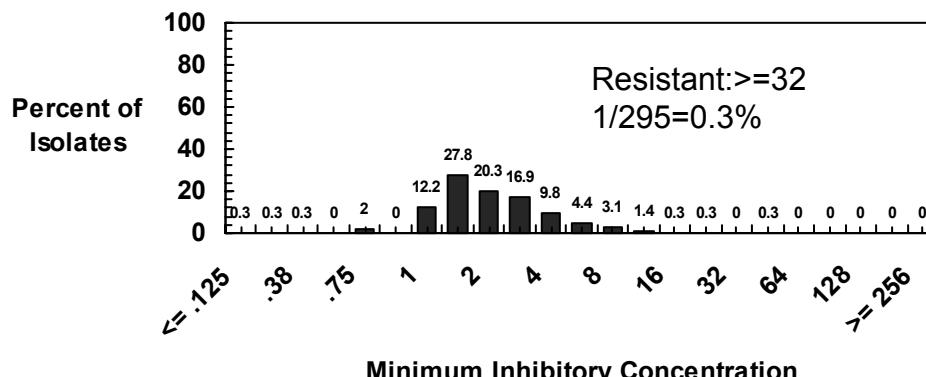
1997 (N=209)



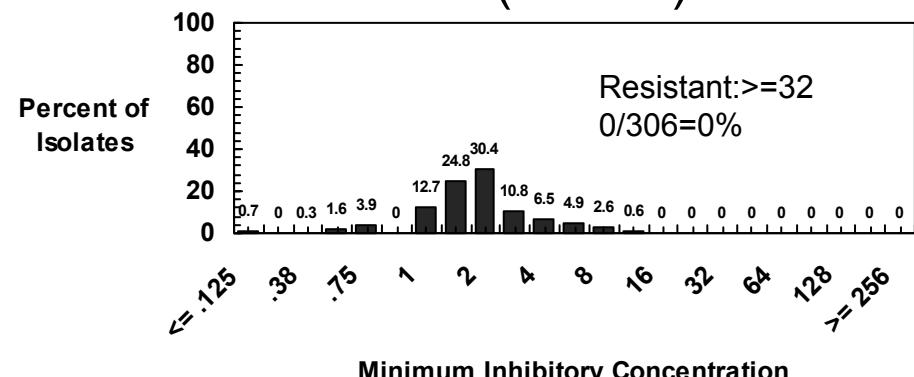
1998 (N=330)



1999 (N=295)



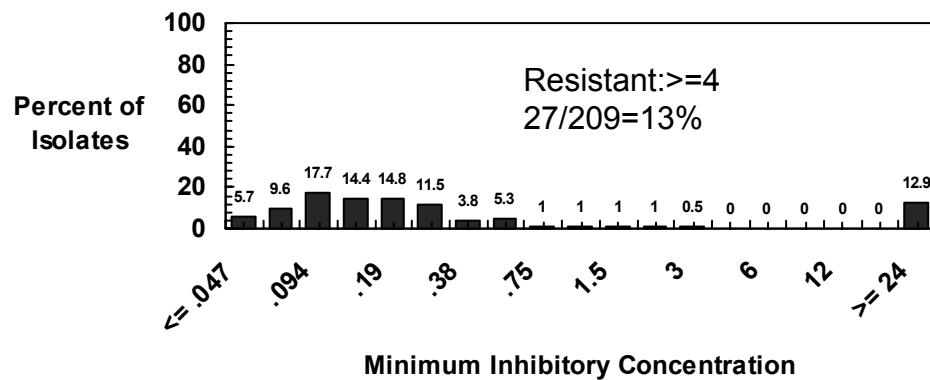
2000 (N=306)



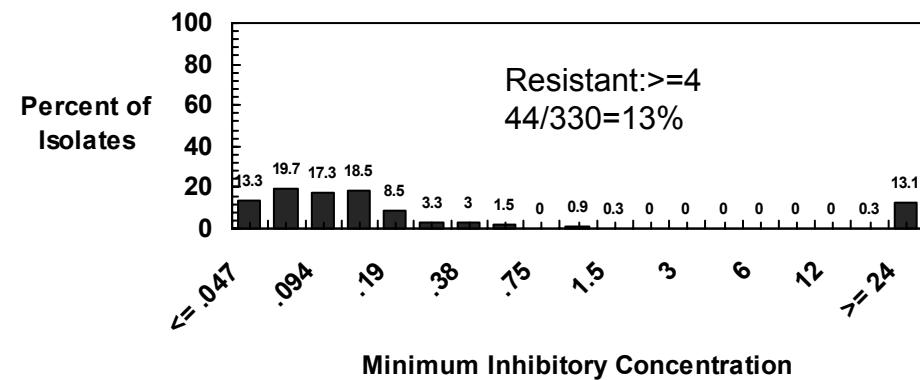
## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 20c. MICs for ciprofloxacin among *Campylobacter jejuni* isolates, 1997 - 2000**

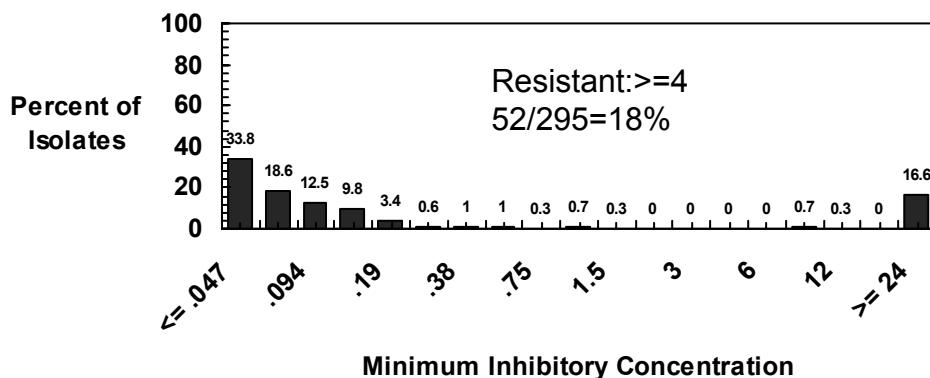
1997 (N=209)



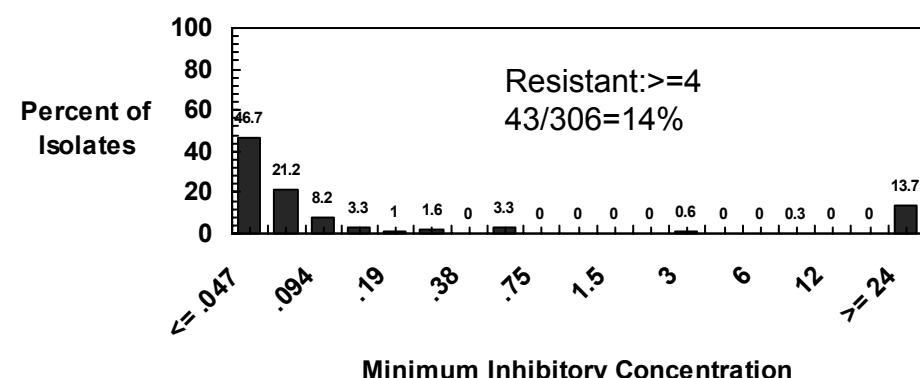
1998 (N=330)



1999 (N=295)



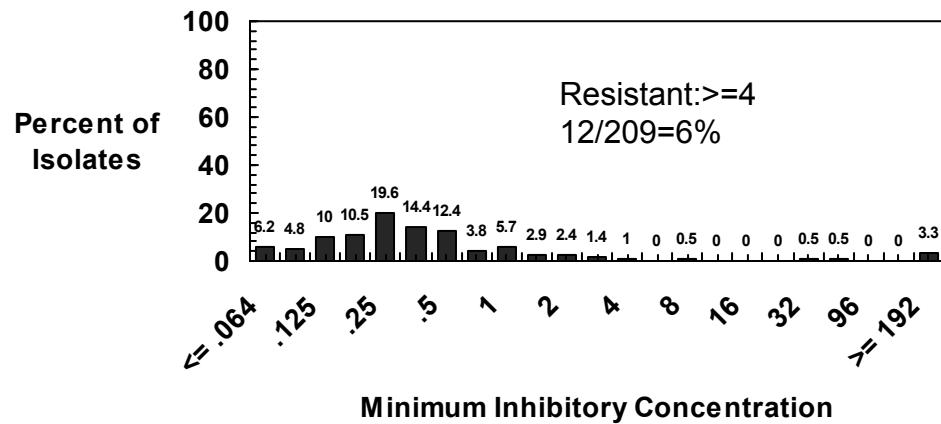
2000 (N=306)



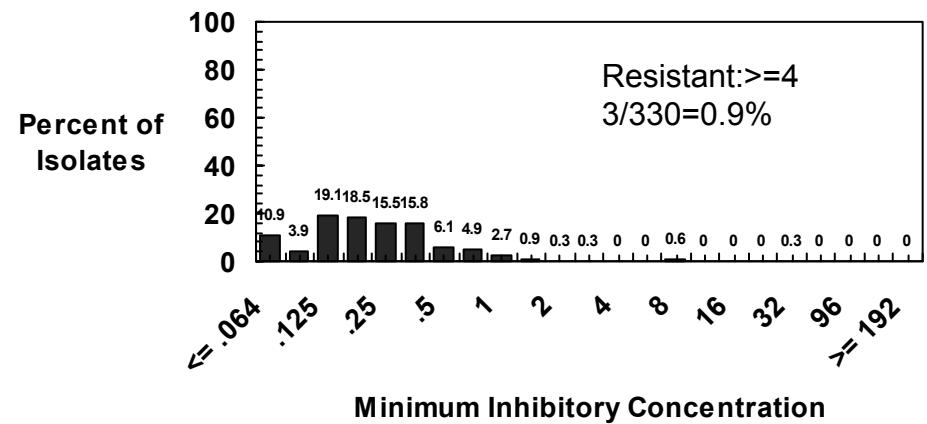
## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 20d. MICs for clindamycin among *Campylobacter jejuni* isolates, 1997 - 2000**

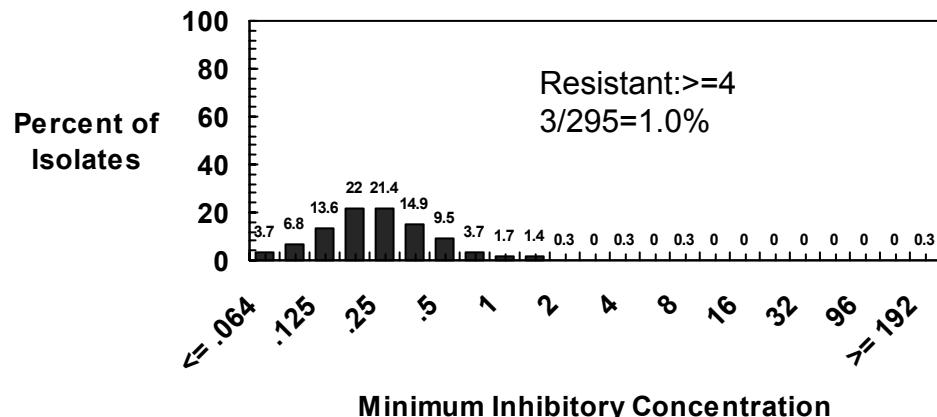
1997 (N=209)



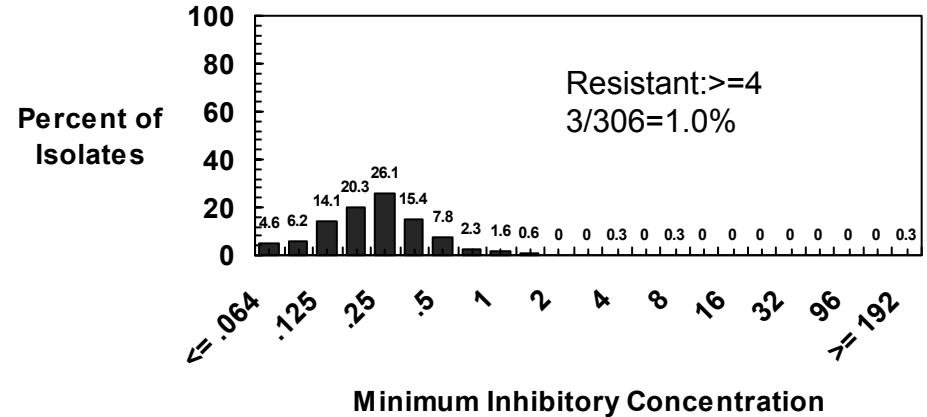
1998 (N=330)



1999 (N=295)



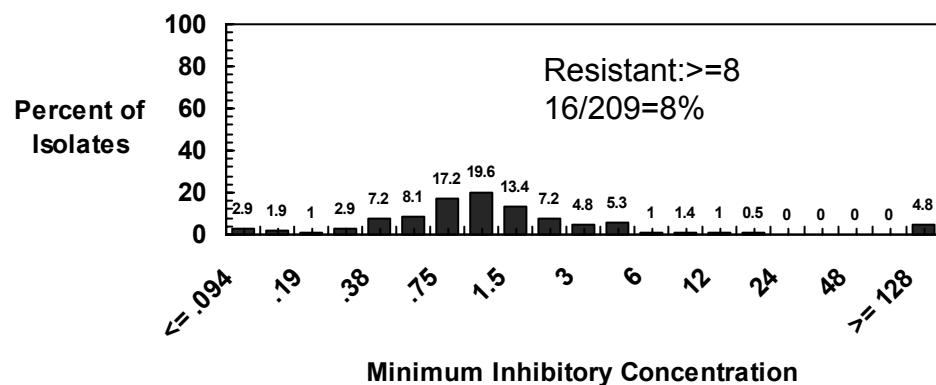
2000 (N=306)



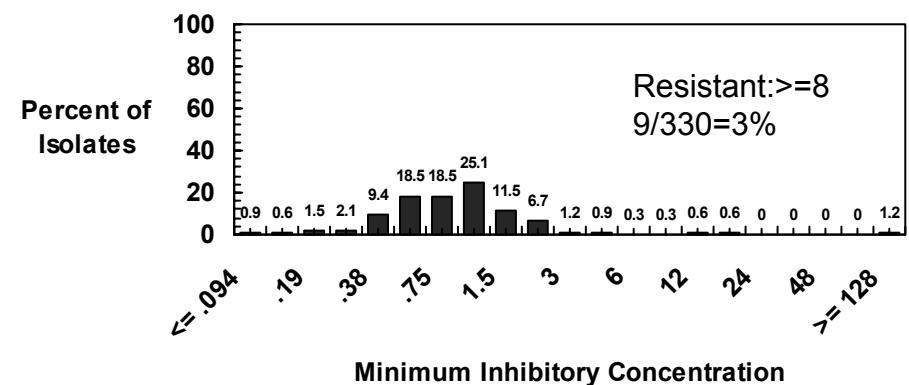
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 20e. MICs for erythromycin among *Campylobacter jejuni* isolates, 1997 - 2000**

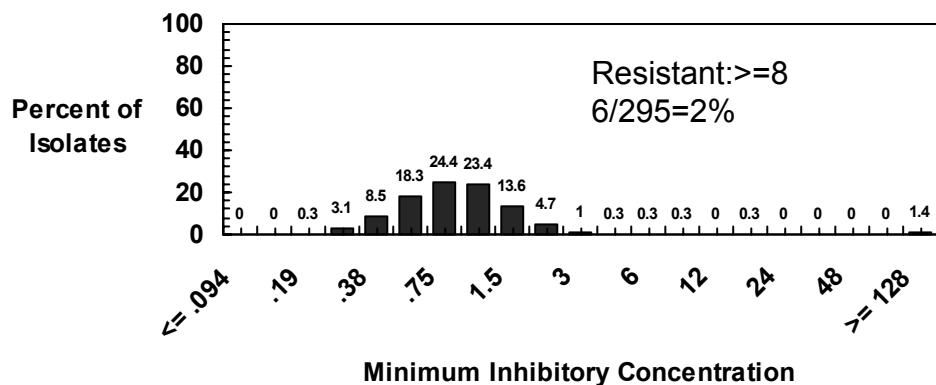
1997 (N=209)



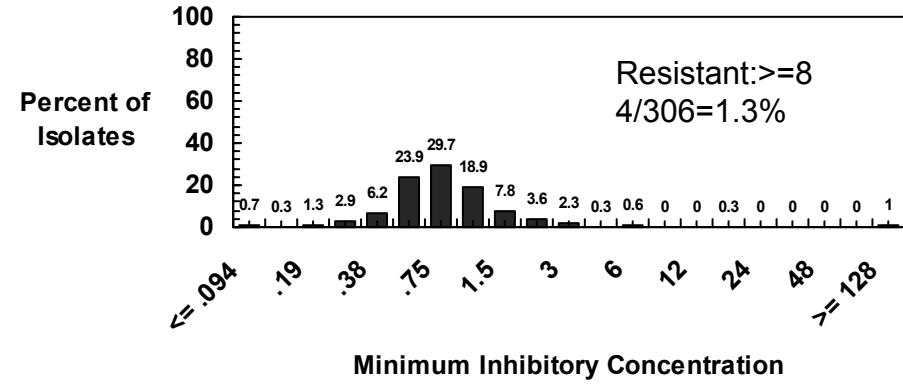
1998 (N=330)



1999 (N=295)



2000 (N=306)

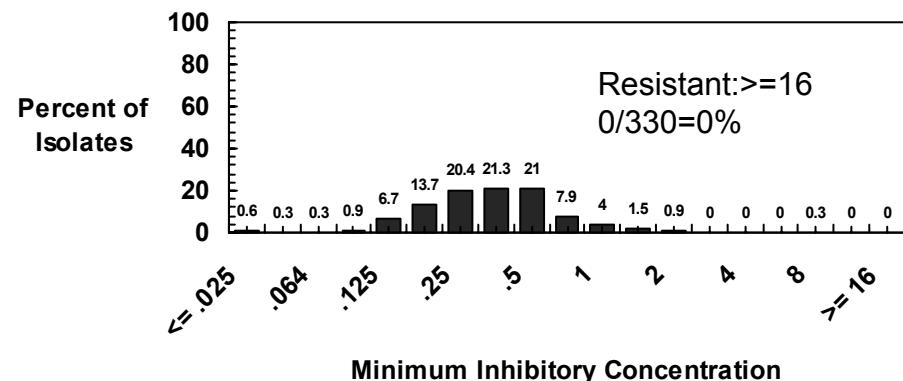


## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

Figure 20f. MICs for gentamicin among *Campylobacter jejuni* isolates, 1997 - 2000

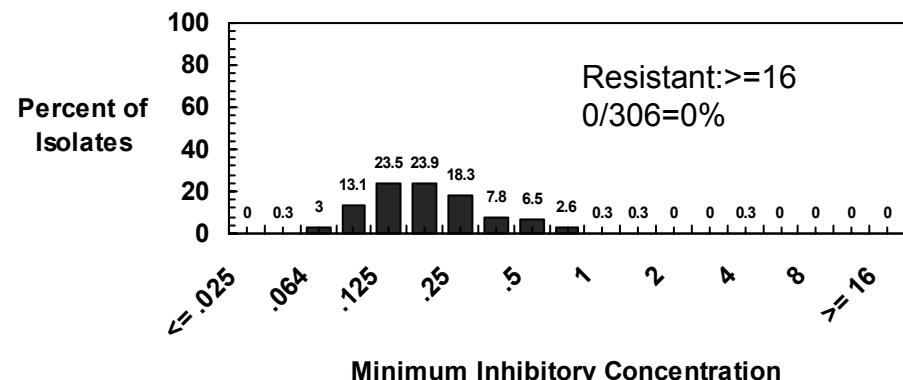
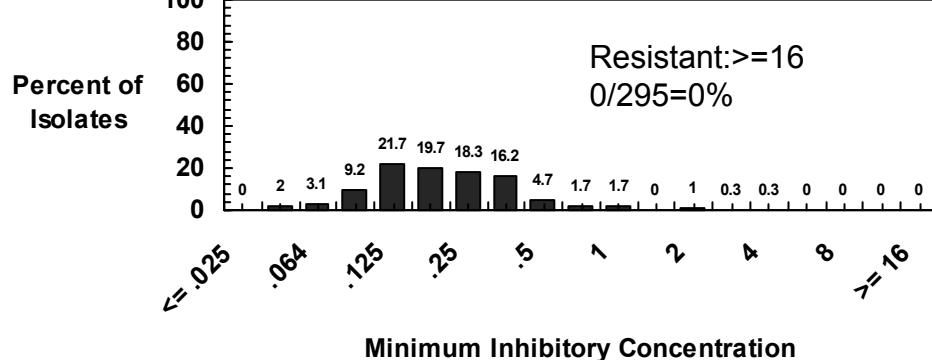
Not tested in 1997

1998 (N=330)



1999 (N=295)

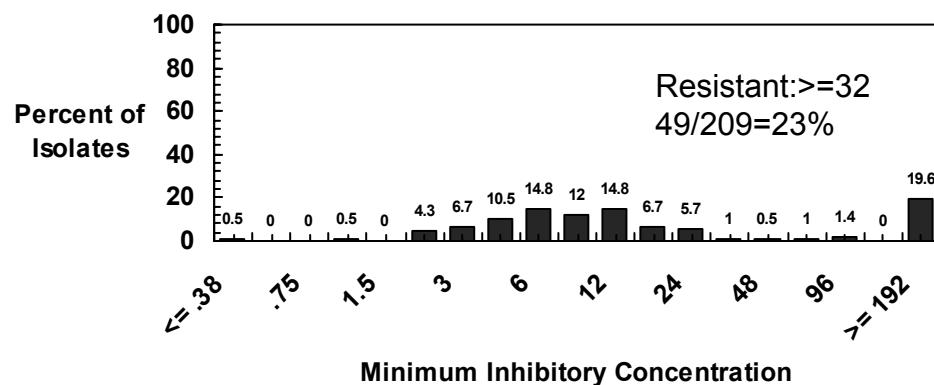
2000 (N=306)



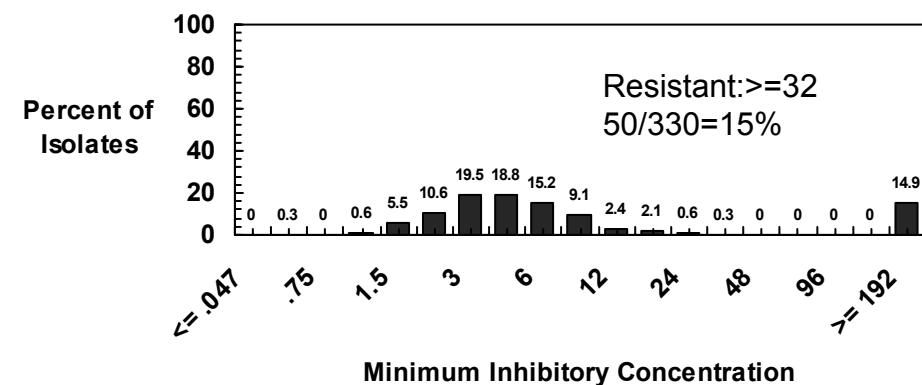
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 20g. MICs for nalidixic acid among *Campylobacter jejuni* isolates, 1997 - 2000**

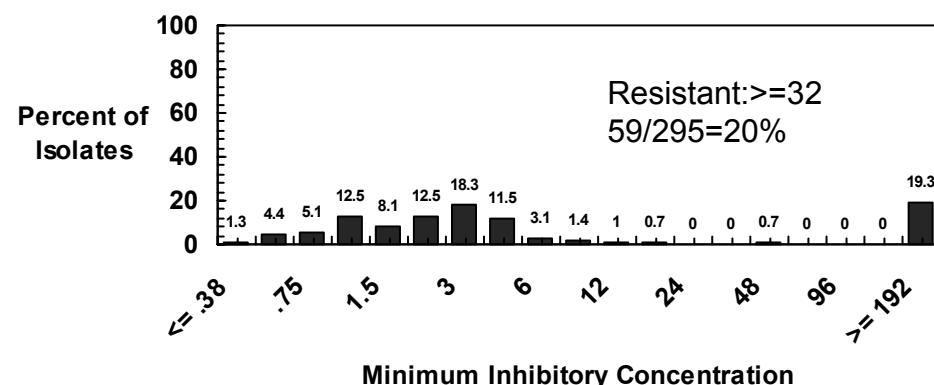
1997 (N=209)



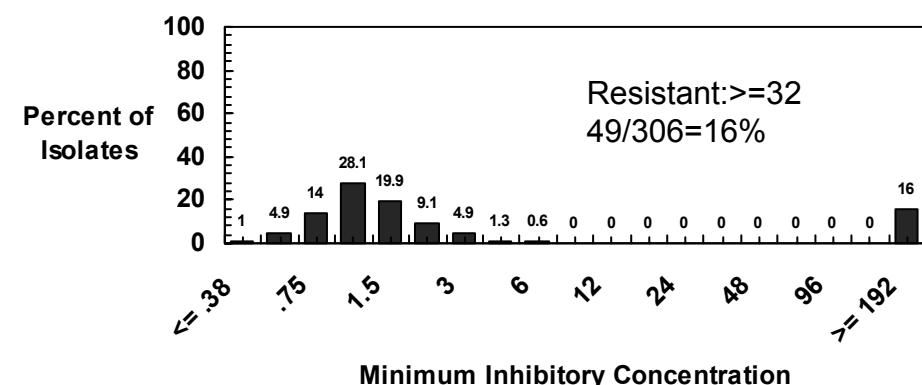
1998 (N=330)



1999 (N=295)



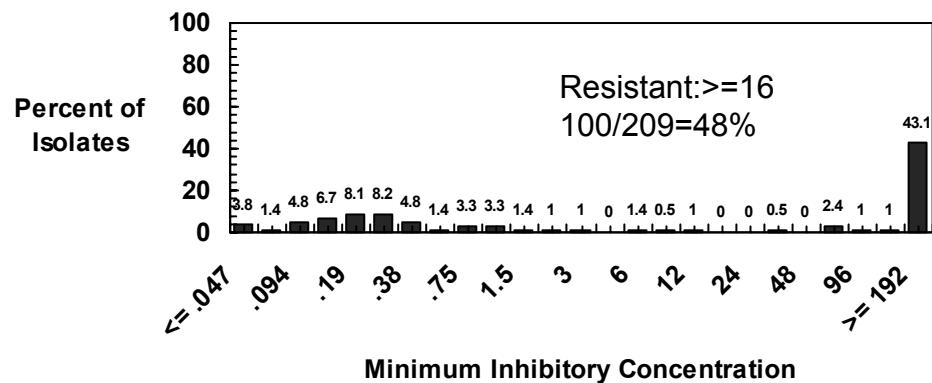
2000 (N=306)



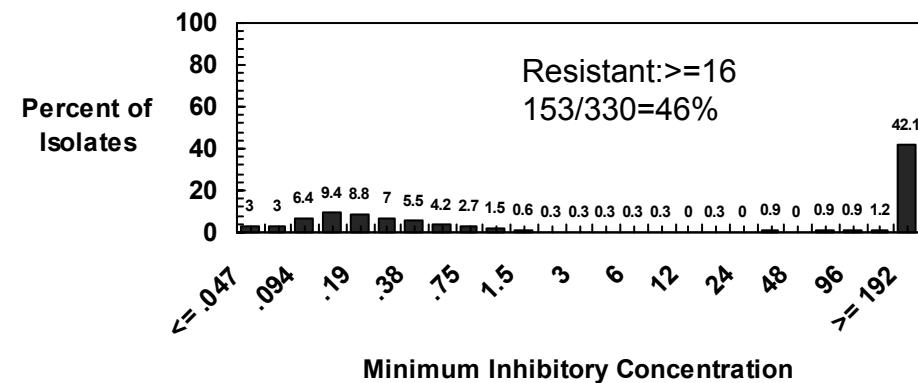
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 20h. MICs for tetracycline among *Campylobacter jejuni* isolates, 1997 - 2000**

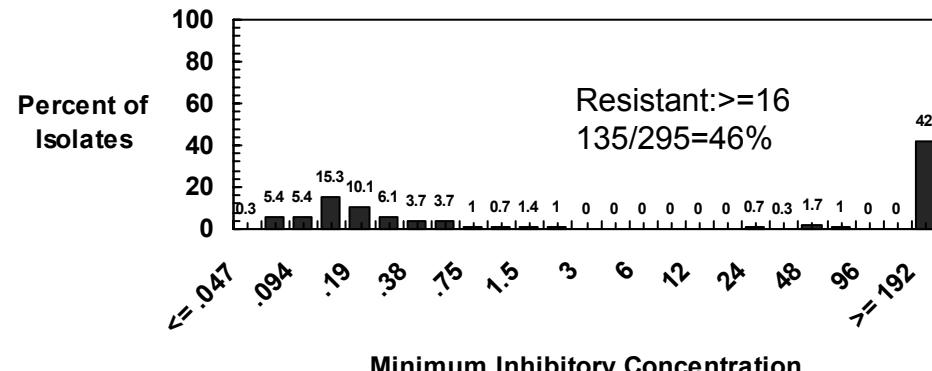
1997 (N=209)



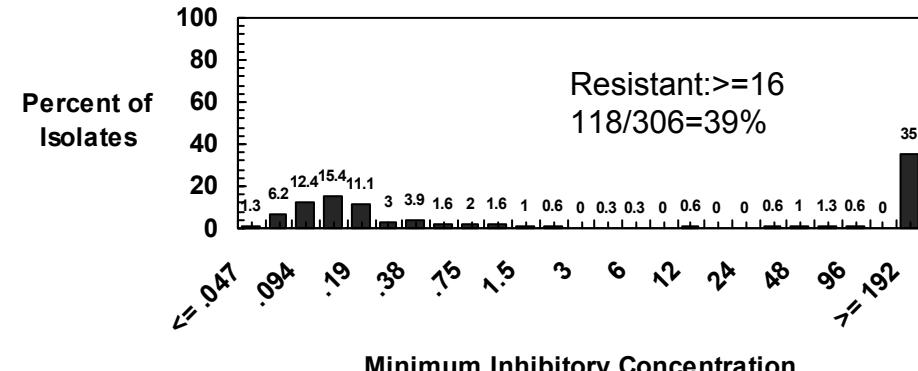
1998 (N=330)



1999 (N=295)



2000 (N=306)

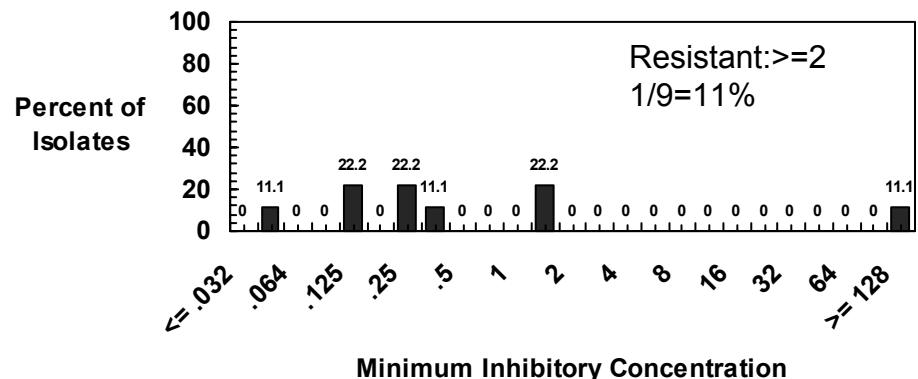


# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 21a. MICs for azithromycin among *Campylobacter coli* isolates, 1997 - 2000**

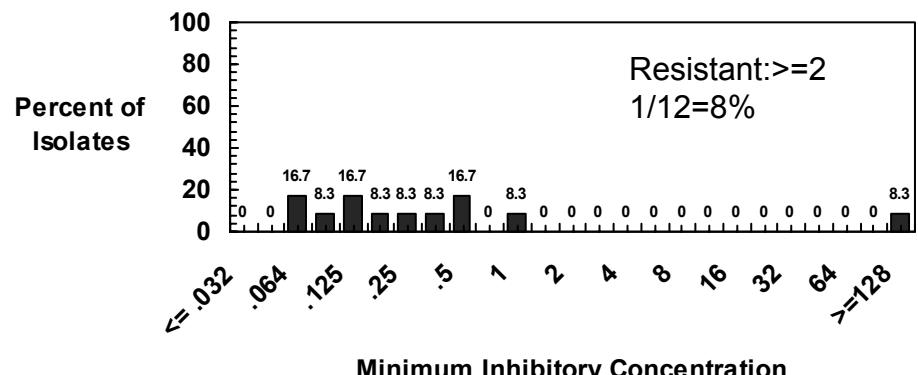
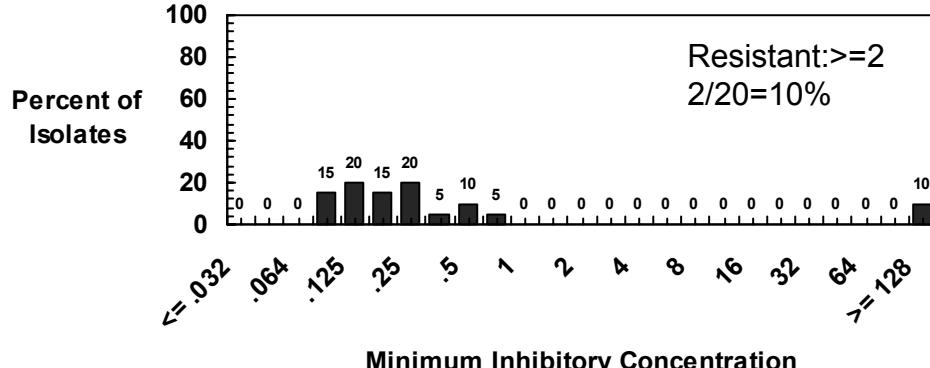
Not tested in 1997

1998 (N=9)



1999 (N=20)

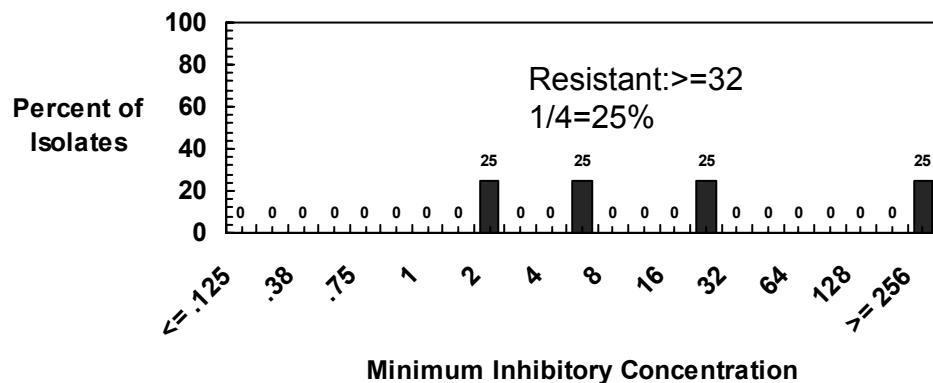
2000 (N=12)



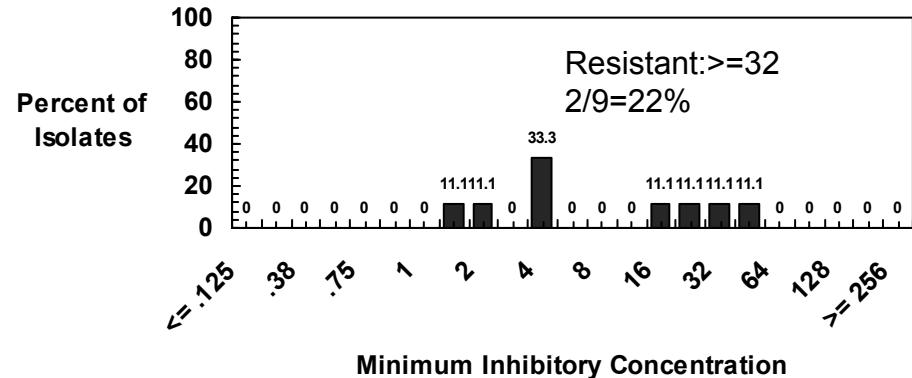
## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 21b. MICs for chloramphenicol among *Campylobacter coli* isolates, 1997 - 2000**

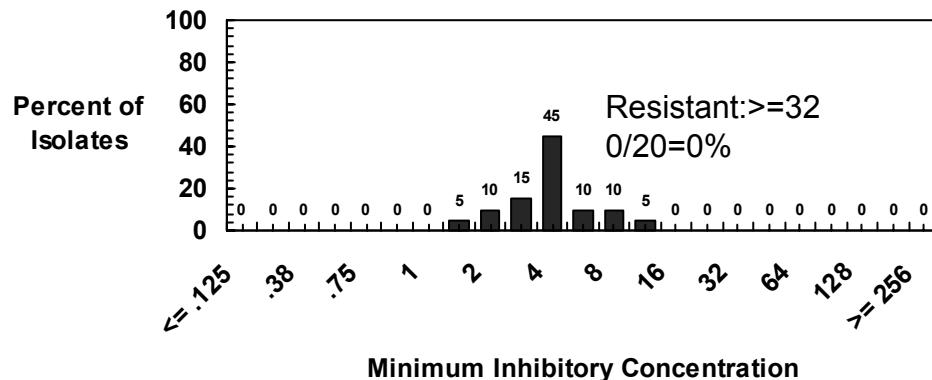
1997 (N=4)



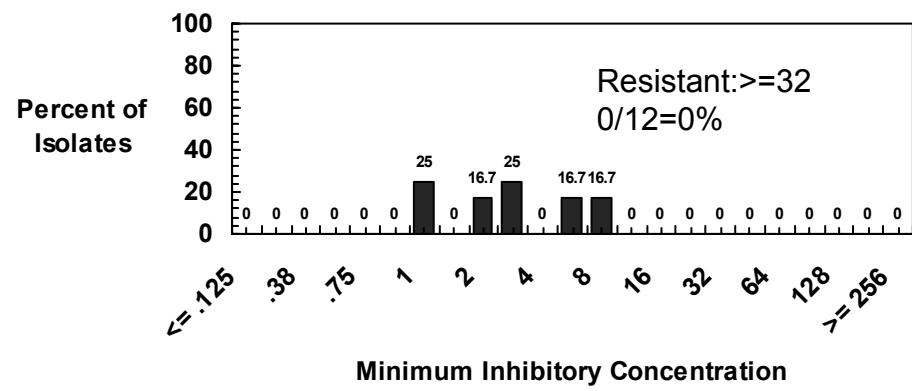
1998 (N=9)



1999 (N=20)



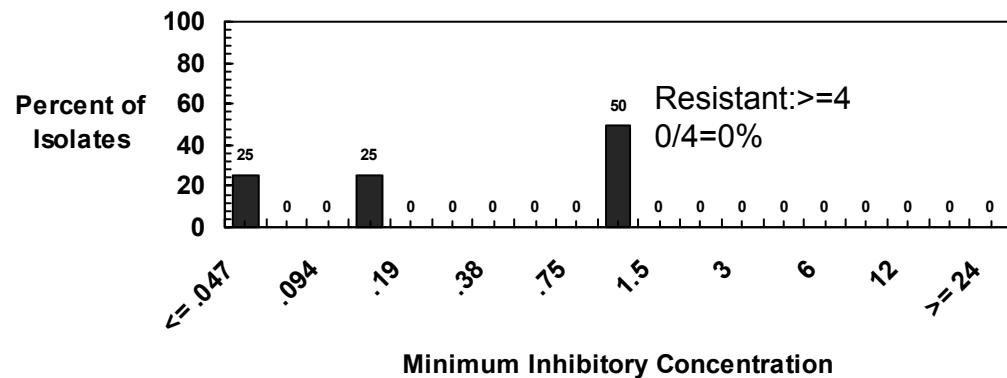
2000 (N=12)



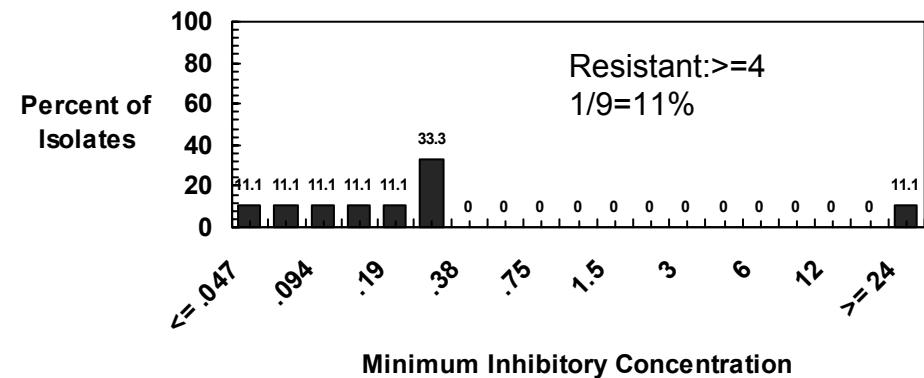
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 21c. MICs for ciprofloxacin among *Campylobacter coli* isolates, 1997 - 2000**

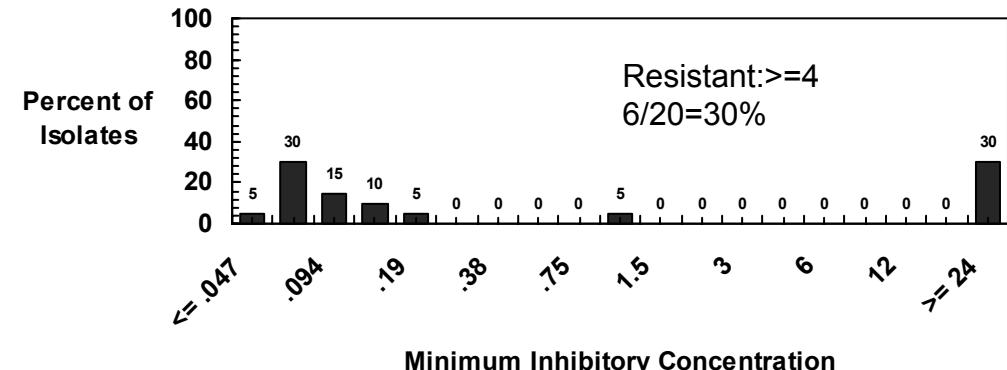
1997 (N=4)



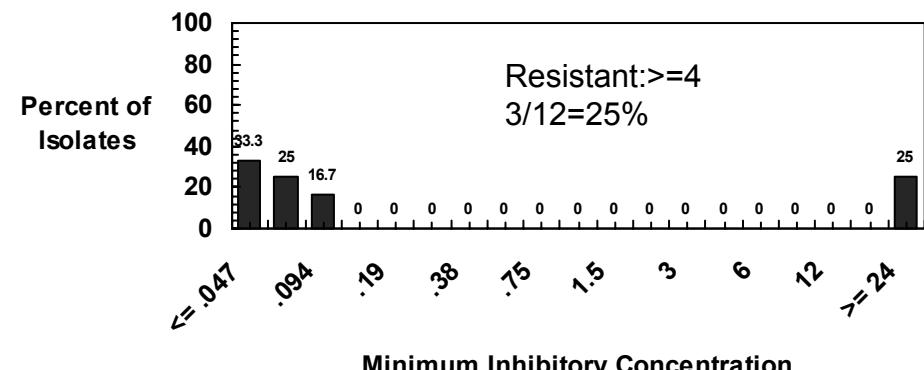
1998 (N=9)



1999 (N=20)



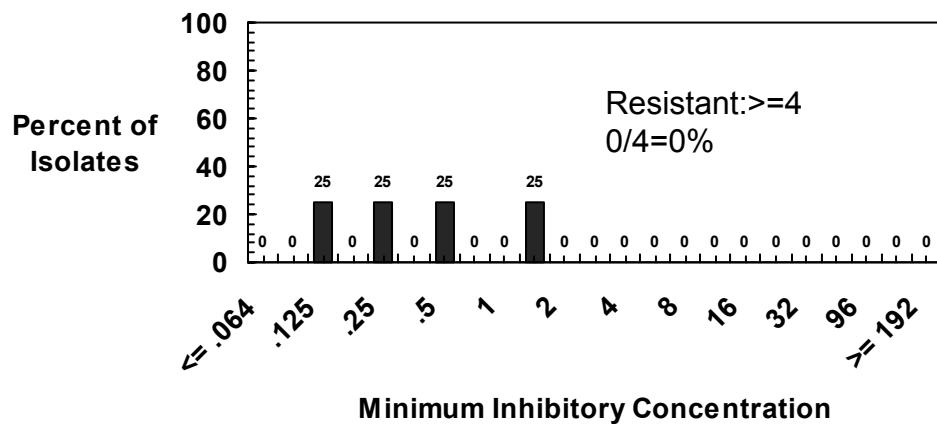
2000 (N=12)



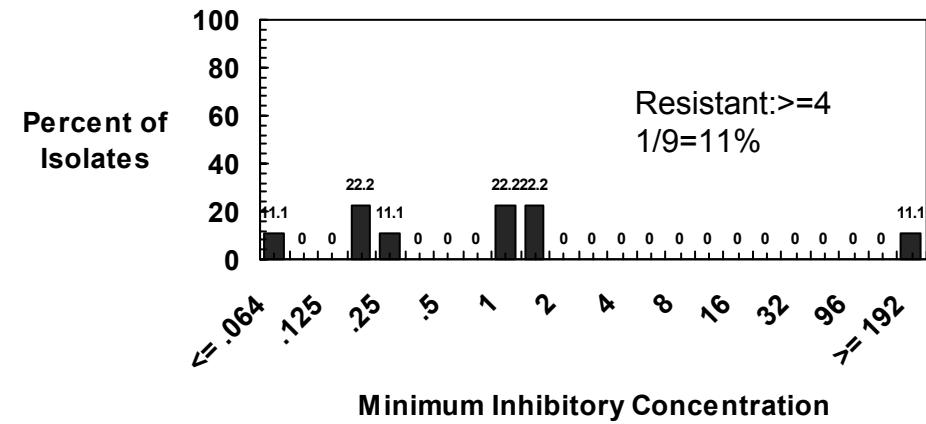
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 21d. MICs for clindamycin among *Campylobacter coli* isolates, 1997 - 2000**

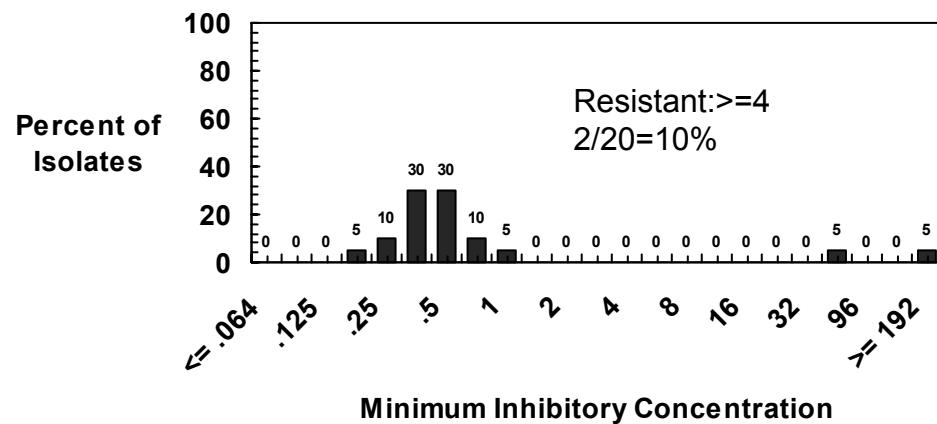
1997 (N=4)



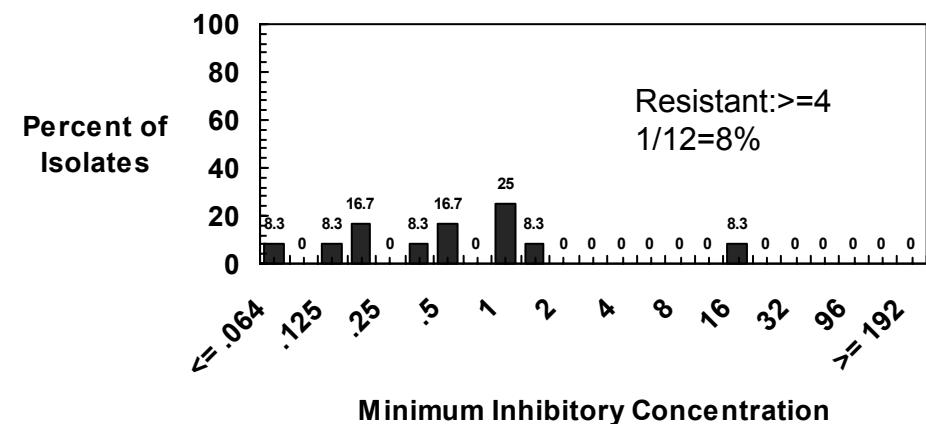
1998 (N=9)



1999 (N=20)



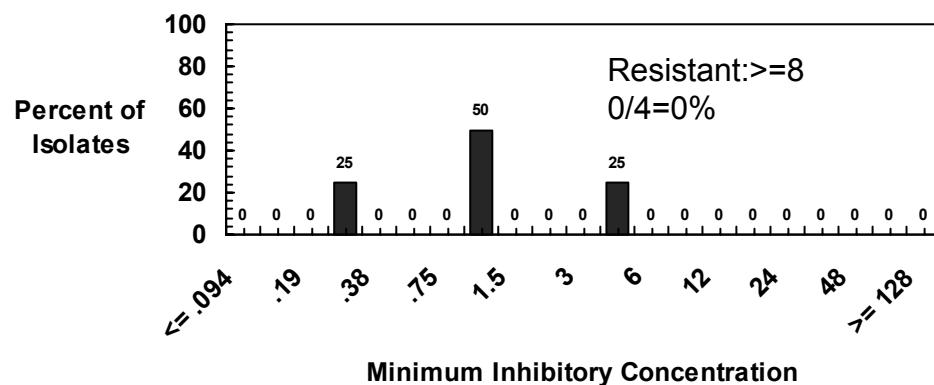
2000 (N=12)



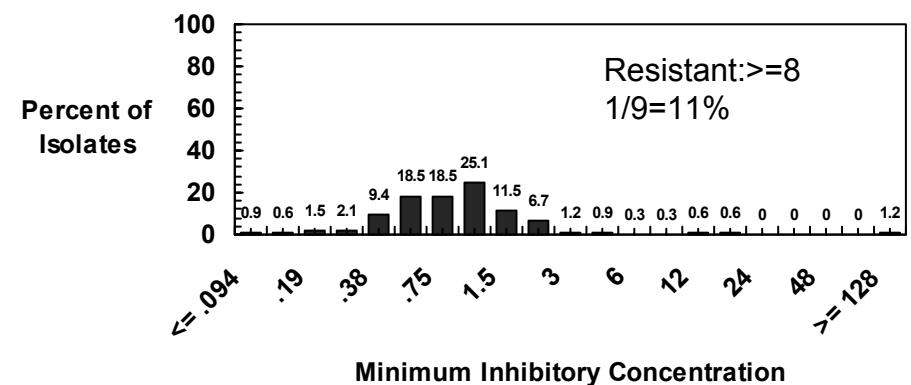
## National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 21e. MICs for erythromycin among *Campylobacter coli* isolates, 1997 - 2000**

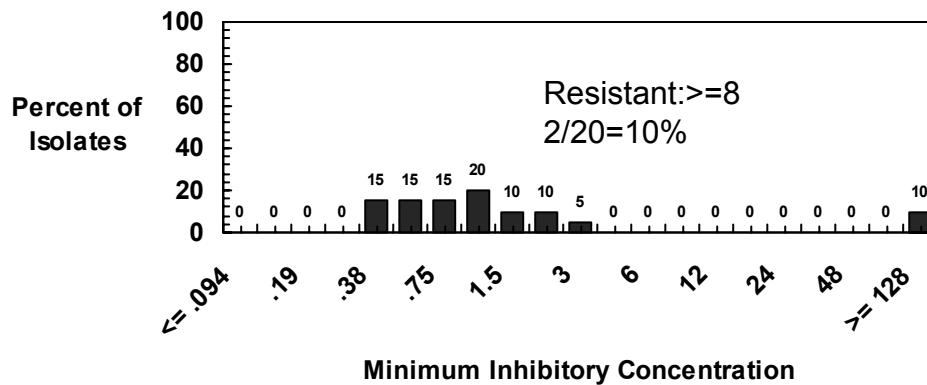
1997 (N=4)



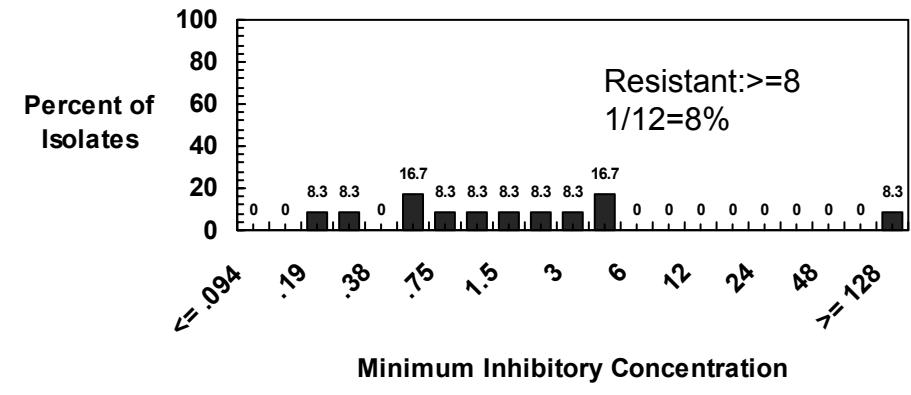
1998 (N=9)



1999 (N=20)



2000 (N=12)

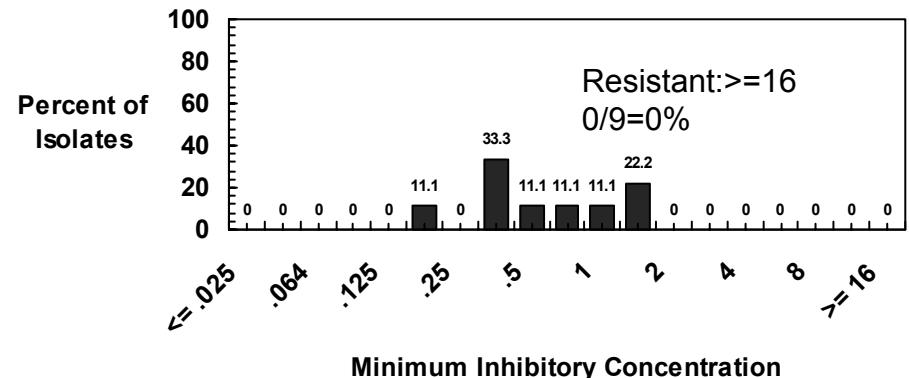


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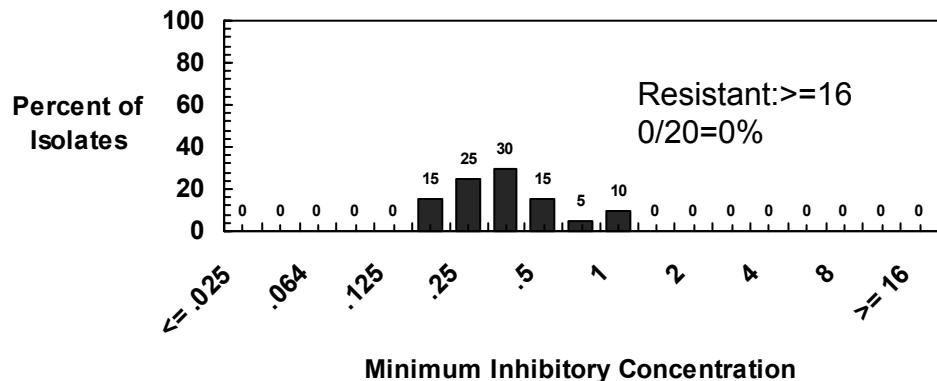
Figure 21f. MICs for gentamicin among *Campylobacter coli* isolates, 1997 - 2000

Not tested in 1997

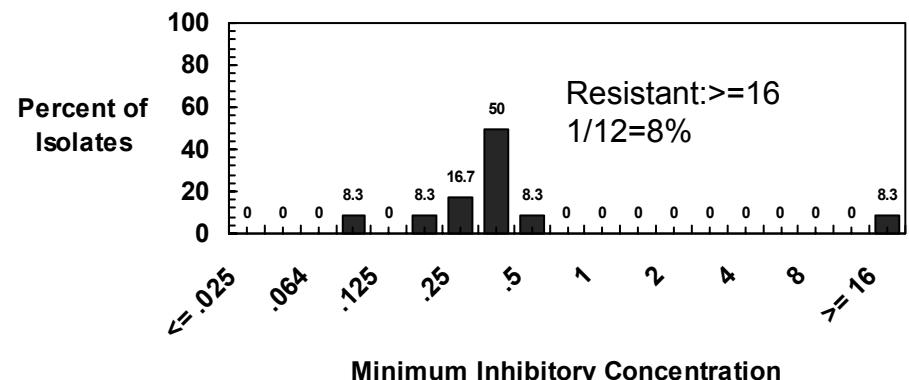
1998 (N=9)



1999 (N=20)



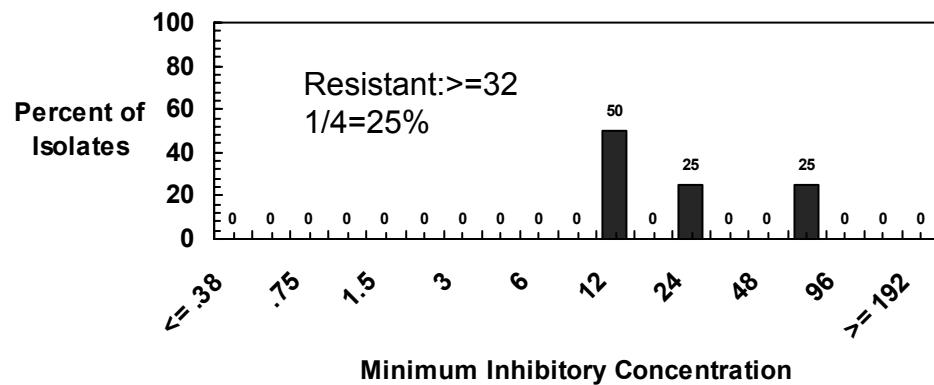
2000 (N=12)



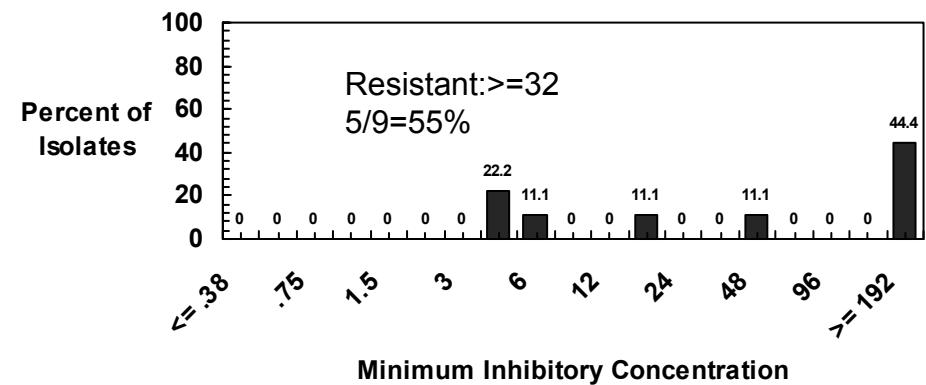
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 21g. MICs for nalidixic acid among *Campylobacter coli* isolates, 1997 - 2000**

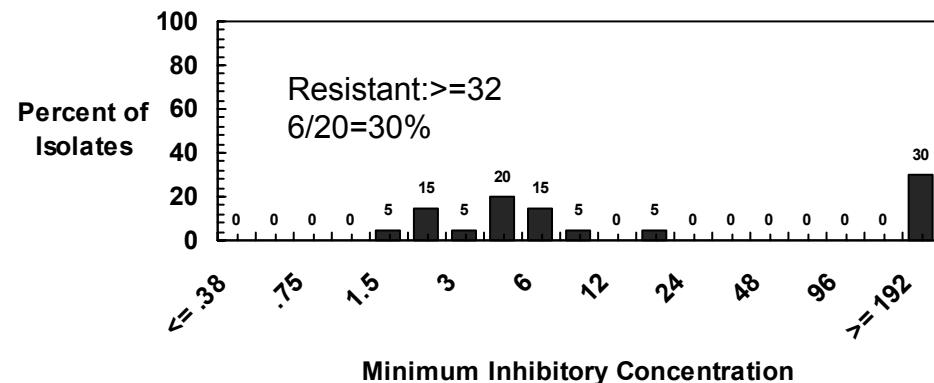
1997 (N=4)



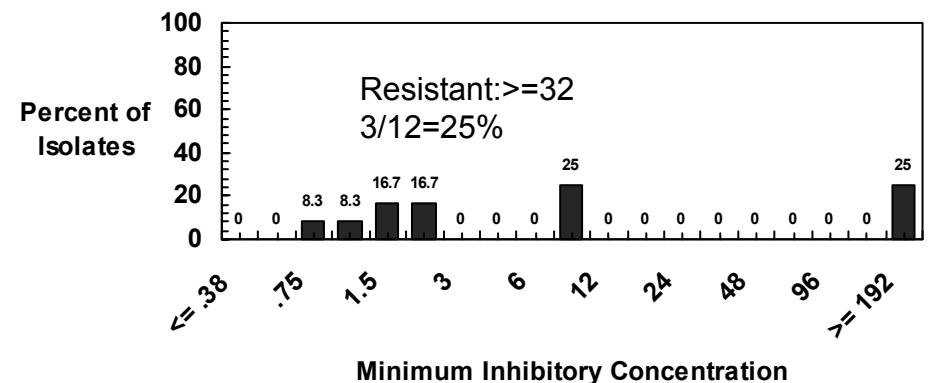
1998 (N=9)



1999 (N=20)



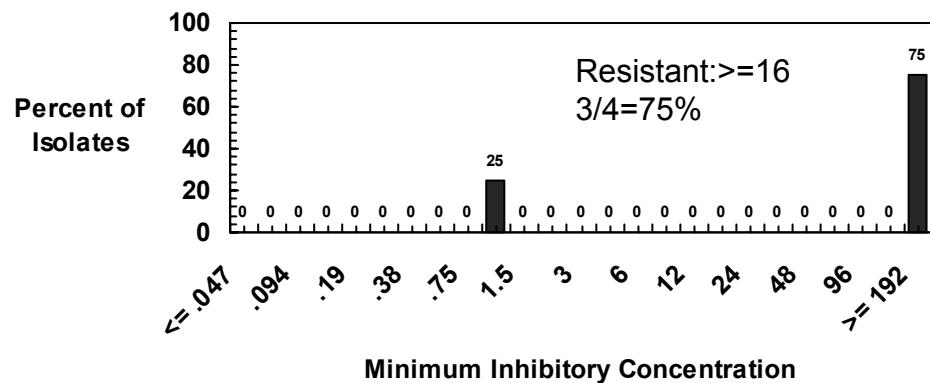
2000 (N=12)



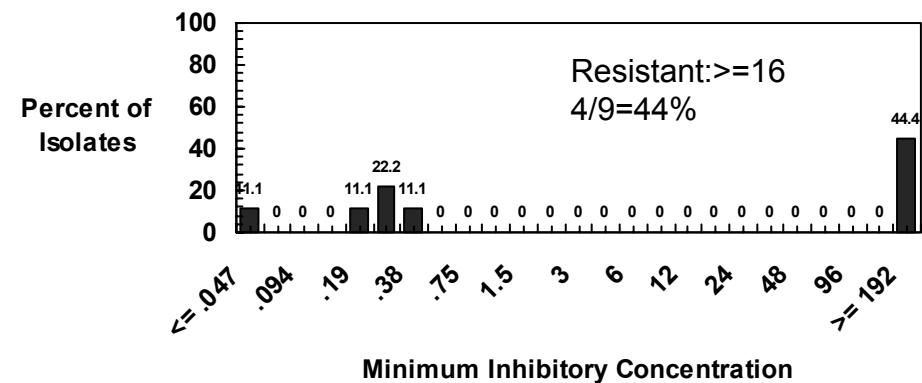
# National Antimicrobial Resistance Monitoring System For Enteric Bacteria

**Figure 21h. MICs for tetracycline among *Campylobacter coli* isolates, 1997 - 2000**

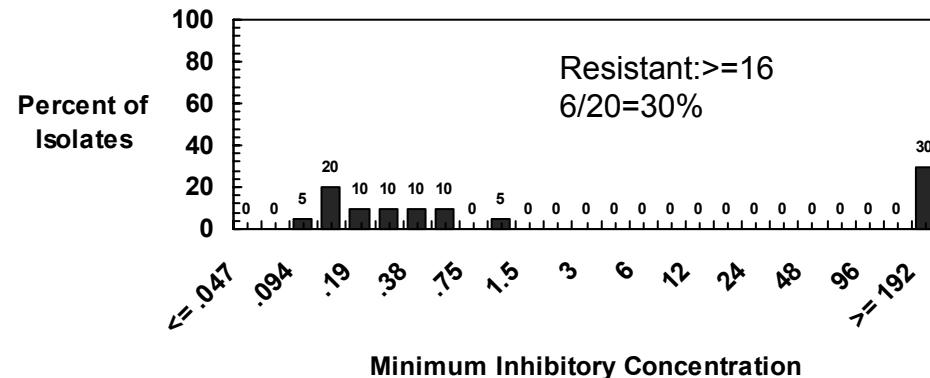
1997 (N=4)



1998 (N=9)



1999 (N=20)



2000 (N=12)

